

AD-756 124

STUDY OF SOIL BEHAVIOR UNDER HIGH  
PRESSURE. REPORT 1. VOLUME 2. RESPONSE  
OF TWO RECOMPACTED SOILS TO VARIOUS  
STATES OF STRESS

Billy B. Mazanti, et al

Georgia Institute of Technology

Prepared for:

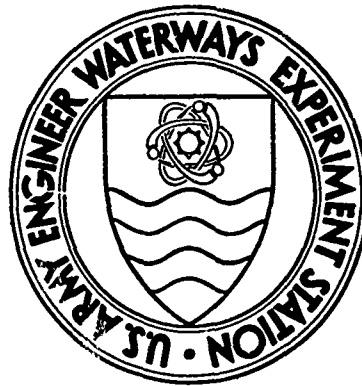
Defense Atomic Support Agency  
Army Engineer Waterways Experiment Station

February 1970

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CONTRACT REPORT S-70-2

# STUDY OF SOIL BEHAVIOR UNDER HIGH PRESSURE

Report I, Volume II

## RESPONSE OF TWO RECOMPACTED SOILS TO VARIOUS STATES OF STRESS

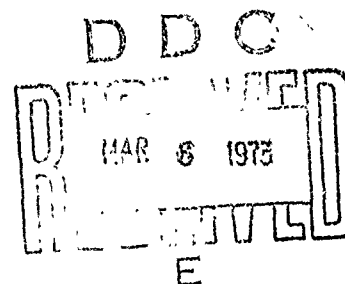
by

B. B. Mazanti, C. N. Holland



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Conducted for U. S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi

Under Contract No. DACA 39-67-C-0051

By Georgia Institute of Technology, Atlanta, Georgia

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## FOREWORD

This report presents the results of a research project conducted by the Georgia Institute of Technology, Atlanta, Georgia, under the direction of Dr. B. B. Mazanti, Associate Professor of Civil Engineering. Mr. C. N. Holland served as Associate Director of the project.

There are three separate volumes documenting this project. Volume I describes the development of equipment and test procedures, soil analysis and specimen preparation, and analysis of results. Volume II contains the basic results of all tests conducted for this program in the form of stress-strain plots. Volume III contains the numerical tabulation of test data in the form of computer sheet printout. Only a limited number of copies of the Volumes II and III were published; however, interested readers may borrow a copy on 30-day loan from the Research Center Library, Waterways Experiment Station.

The Georgia Institute of Technology has been engaged in research concerned with the effects of high pressure on soil and rock for approximately ten years. During this time period, a considerable amount of equipment and instrumentation has been developed for high pressure testing, financed almost entirely by Georgia Tech. Much of the equipment and instrumentation utilized in the performance of this research was of such origin.

This report was requested and authorized by Mr. J. G. Jackson, Jr., Impulse Loads Section, Soil Dynamics Branch, under the direction of Messrs. W. J. Turnbull and A. A. Maxwell, Chief and Assistant Chief, respectively, Waterways Experiment Station Soils Division. The work was part of Contract No. DACA 39-67-C-0051, Project B-602, and was conducted for the U. S. Army Engineer Waterways Experiment Station, Vicksburg, Mississippi, under Defense Atomic Support Agency sponsorship, during the period November 1967 through November 1968.

Directors of the Waterways Experiment Station during the performance of this work and preparation and publication of this report were COL John R. Oswalt, Jr., CE, and COL Levi A. Brown, CE. Technical Directors were Messrs. J. B. Tiffany and F. R. Brown.

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# LIST OF SYMBOLS

$p$	Hydrostatic Pressure
$c$	Normal Stress
$\sigma_1$	Major Principal Stress
$\sigma_2$	Intermediate Principal Stress
$\sigma_3$	Minor Principal Stress
$\sigma_a$	Axial Stress
$\sigma_r$	Radial Stress
$\tau$	Shear Stress
$\epsilon$	Strain
$\epsilon_a$	Axial Strain
$\epsilon_r$	Radial Strain
$\Delta V$	Volume Change
$V_o$	Original Volume
$\Delta V/V_o$	Volumetric Strain
$K^o$	Condition of No-Lateral-Strain

SECTION I

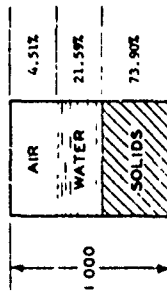
MCCORMICK RANCH SAND STRESS-STRAIN PLOTS

Group A  
Triaxial Tests

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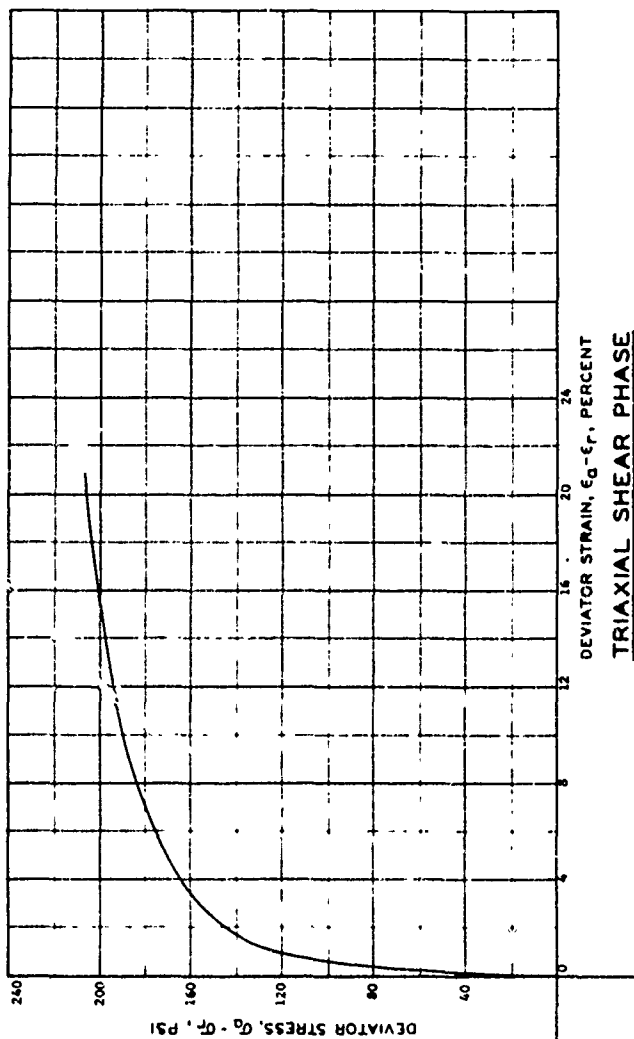
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WATER CONTENT	W	10 %	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_c$	82.72	%
DRY DENSITY	$\gamma_d$	123.13	PCF
WET DENSITY	$\gamma$	136.60	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.54	CM



HYDROSTATIC COMPRESSION PHASE

5



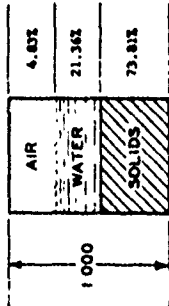
TRIAxIAL SHEAR PHASE

HYDROSTATIC PRESSURE, p, PSI

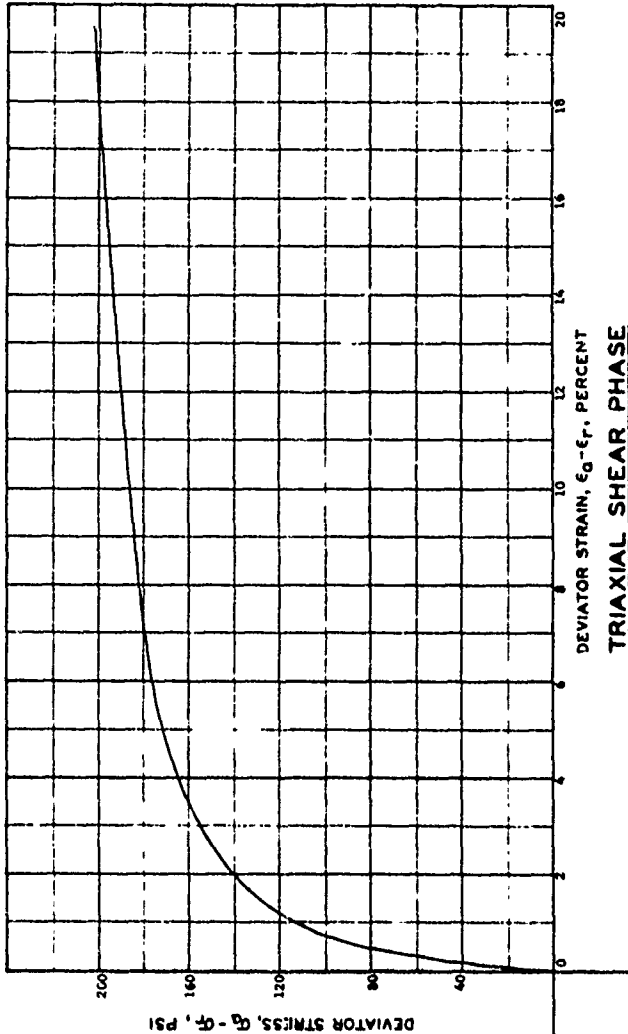
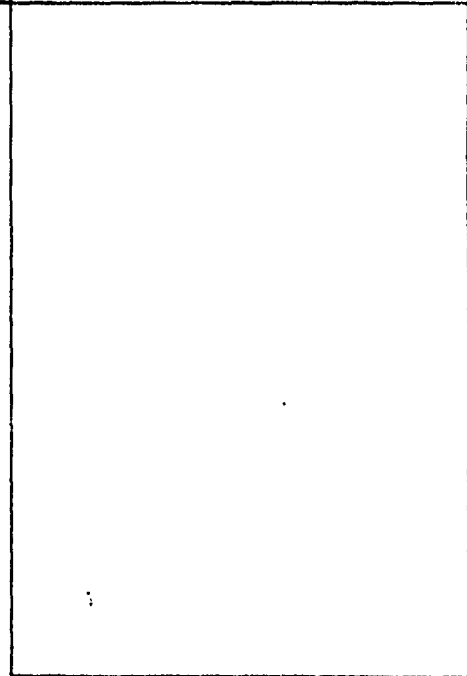
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Ga Tech B-602:	
		Contract No. DAC39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	88	
DEPTH	DATE		
EL			
LL	27	PL	15
		PI	12
DESCRIPTION McCumuck Beach Sand			

WATER CONTENT	W	10.24	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_u$	81.56	%
DRY DENSITY	$\gamma_d$	122.97	PCF
WET DENSITY	$\gamma$	136.30	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.52	CM



### HYDROSTATIC COMPRESSION PHASE

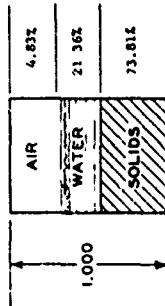


HYDROSTATIC PRESSURE,  $p$ , PSI

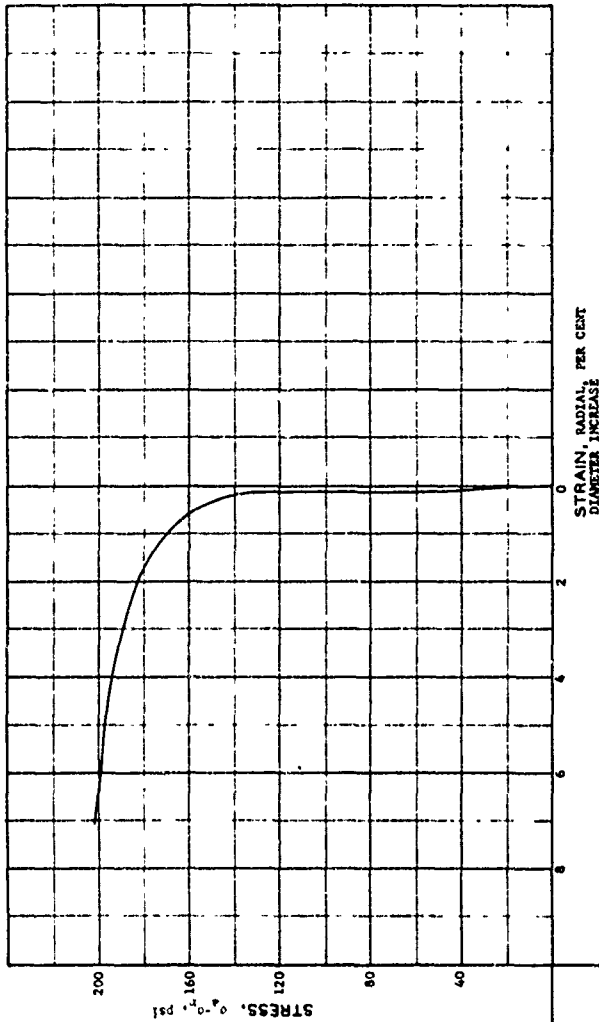
VOLUMETRIC STRAIN,  $\Delta V / V_0$ , PERCENT

PROJECT		Ga. Inst. B-5021	
		Contract No. DACW39-67-C-0051	
AREA			
BORING NO.	SAMPLE NO.	91	
DEPTH	DATE		
EL.			
LL	PL	13	P1 12
DESCRIPTION			
McComick Right Sand			

WATER CONTENT	W	10.84	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	81.56	%
DRY DENSITY	$\gamma_d$	122.97	PCF
WET DENSITY	$\gamma$	136.30	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.52	CM



### HYDROSTATIC COMPRESSION PHASE

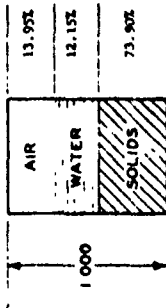


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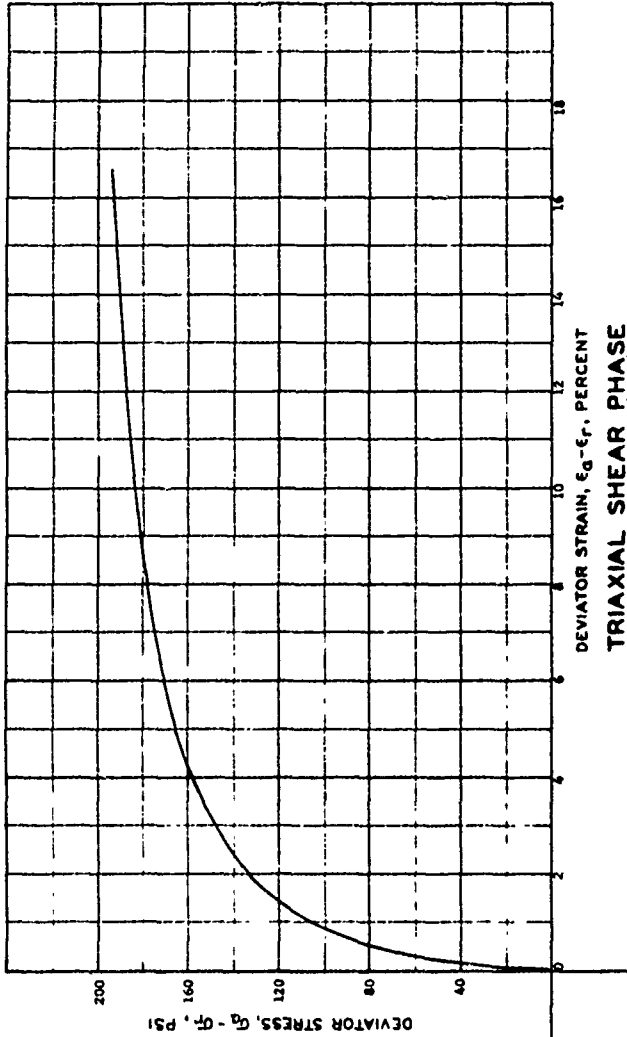
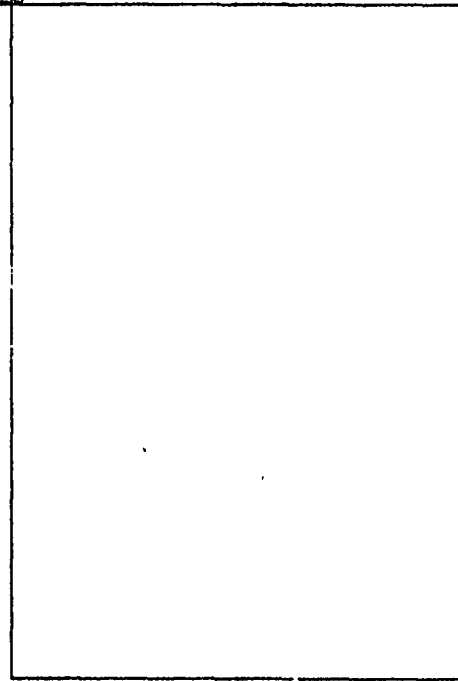
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Ga Tech B-602;	
		Contract No. DMCA 35-67-C-0051	
AREA			
BORING NO.	SAMPLE NO.	91	
DEPTH	DATE		
EL	PL	13	P1 12
DESCRIPTION		McClack Ranch Sand	

WATER CONTENT	W	6.16	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	46.55	%
DRY DENSITY	$\gamma_d$	123.13	PCF
WET DENSITY	$\gamma$	130.7113	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_c$	3.51	CM
SPECIMEN HEIGHT	$M_0$	7.53	CM

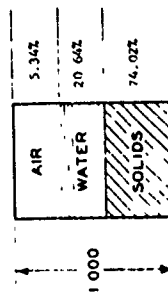


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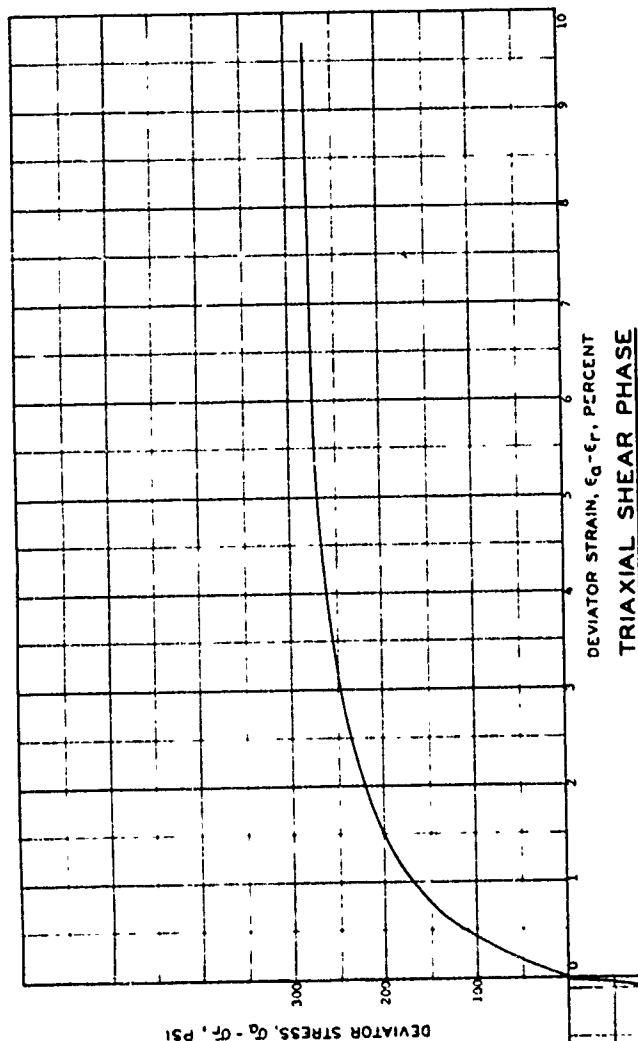
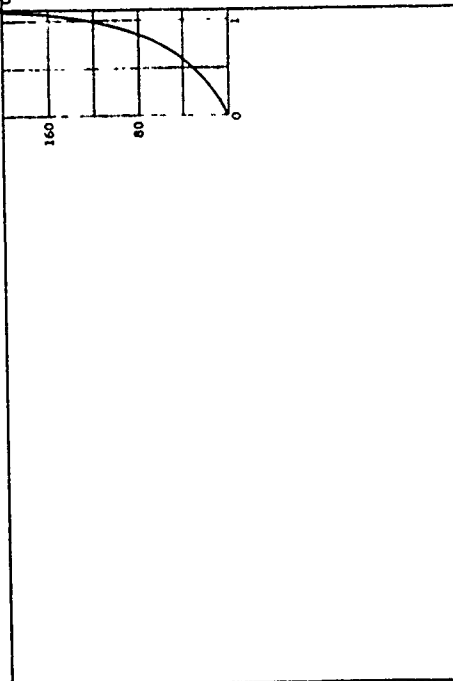


PROJECT		Ga. Tech. B-602	
		Contract No. DAC39-67-C-0031	
AREA			
BORING NO.	97	SAMPLE NO.	97
DEPTH		DATE	
EL			
LL	27	PL	15
		PI	12
DESCRIPTION			
McDonnell Beach Sand			

WATER CONTENT	W	10.44	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	79.44	%
DRY DENSITY	$\gamma_d$	123.33	PCF
WET DENSITY	$\gamma$	136.21	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



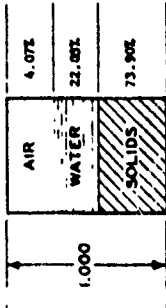
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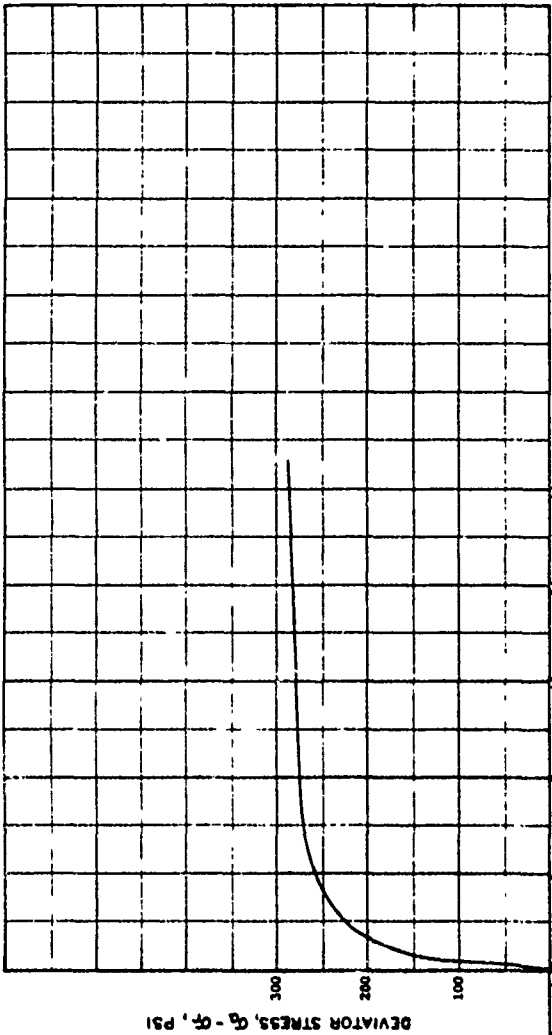
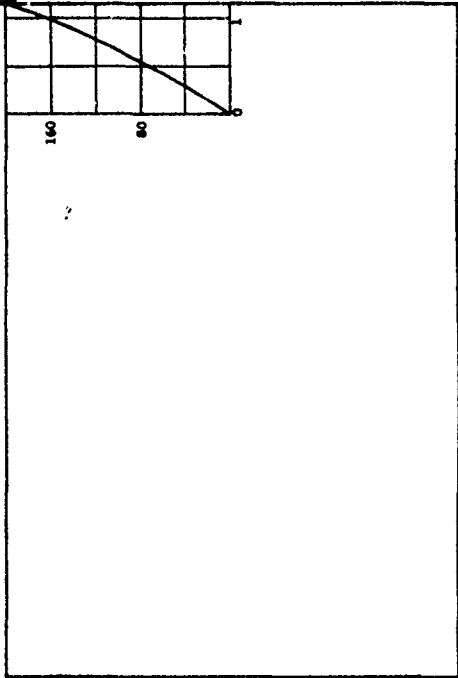
PROJECT	Ga Tech B-602;	Contract No. DMC39-67-C-0051
AREA		
BORING NO.	SAMPLE NO. 75	DATE
DEPTH		
EL	PL 15	PI 12
DESCRIPTION	McComick Ranch Sand	



WATER CONTENT	W	11.16	%
VOID RATIO	$e_0$	0.3532	
SATURATION	$S_0$	84.41	%
DRY DENSITY	$\gamma_d$	123.12	PCF
WET DENSITY	$\gamma$	136.87	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.55	CM



### HYDROSTATIC COMPRESSION PHASE



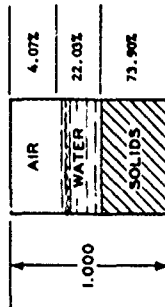
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HYDROSTATIC PRESSURE,  $p$ , PSI

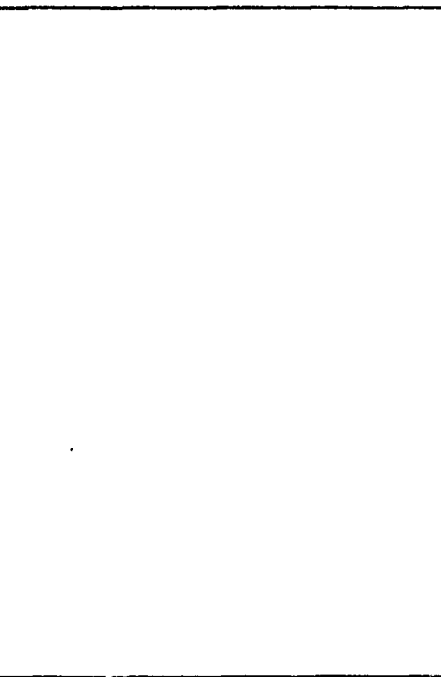
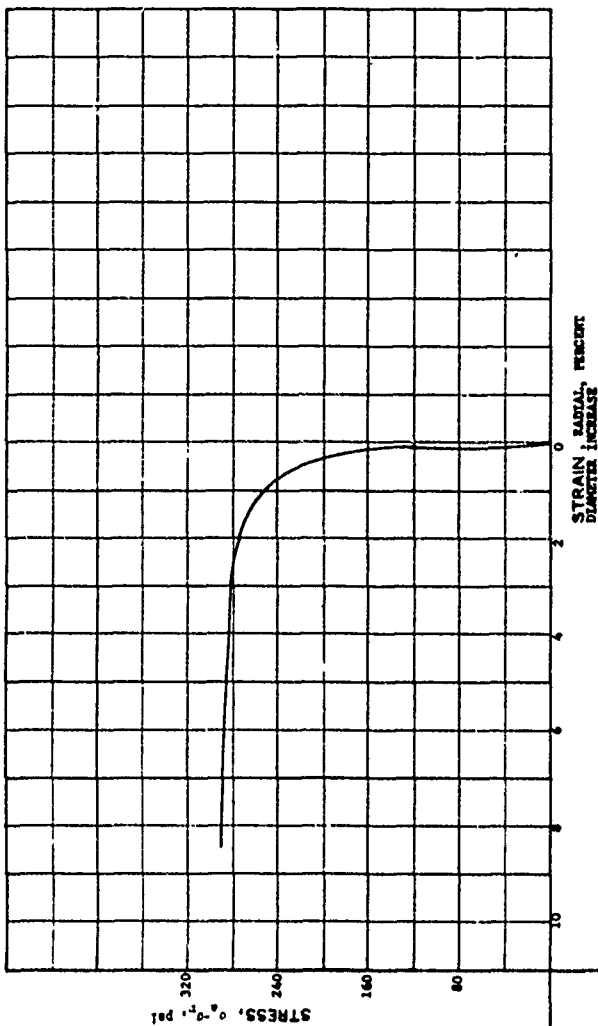
PROJECT		Ga Tech 3-602	
		Contract No. DMCJ9-67-C-0031	
AREA		SAMPLE NO. 77	
BORING NO.		DATE	
DEPTH		PL 15	
EL.		PI 13	
DESCRIPTION		McCorrall Ranch Sand	

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	11.16	%
VOID RATIO	$e_0$	0.3532	
SATURATION	$S_0$	84.61	%
DRY DENSITY	$\gamma_d$	123.12	PCF
WET DENSITY	$\gamma$	136.87	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	1.50	CM
SPECIMEN HEIGHT	$H_0$	7.55	CM



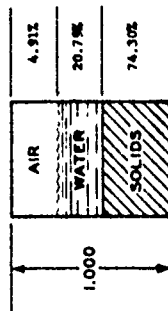
# HYDROSTATIC COMPRESSION PHASE



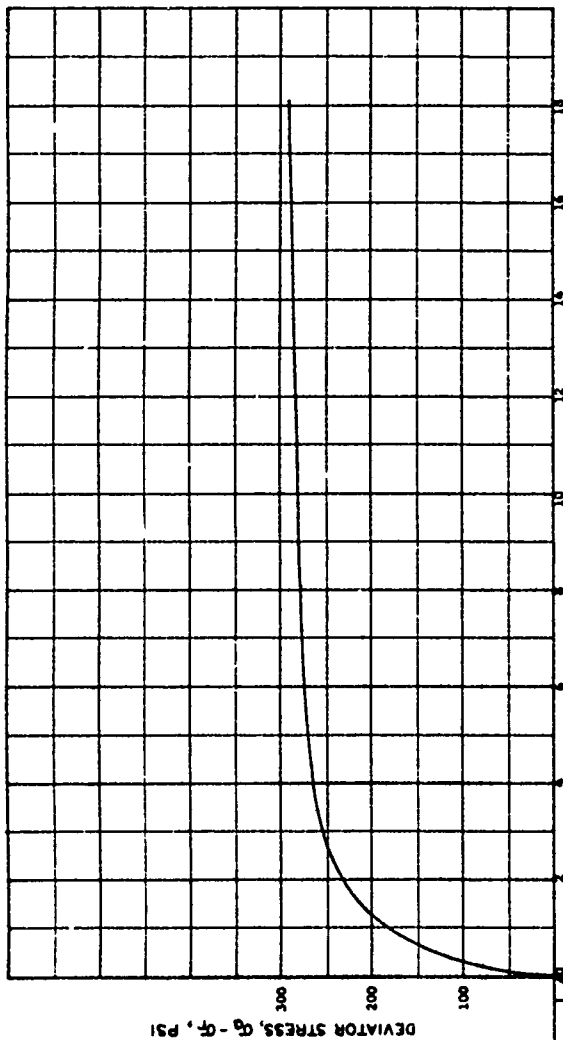
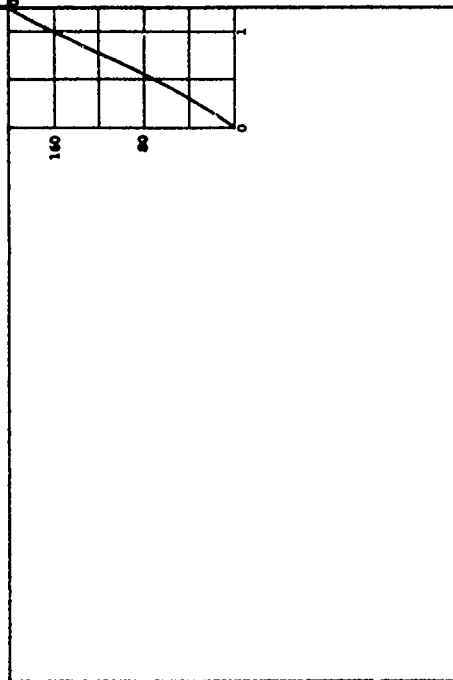
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Ge Tech 8-402;	
		Contract No. DAC39-47-C-0031	
AREA			
BORING NO.	SAMPLE NO.		77
DEPTH	DATE		
EL	PL	15	PI 12
DESCRIPTION			
McGinnick Ranch Sand			

WATER CONTENT	W	10.48	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	80.91	%
DRY DENSITY	$\gamma_d$	123.80	PCF
WET DENSITY	$\gamma$	136.77	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.52	CM



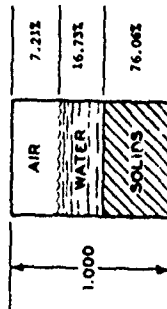
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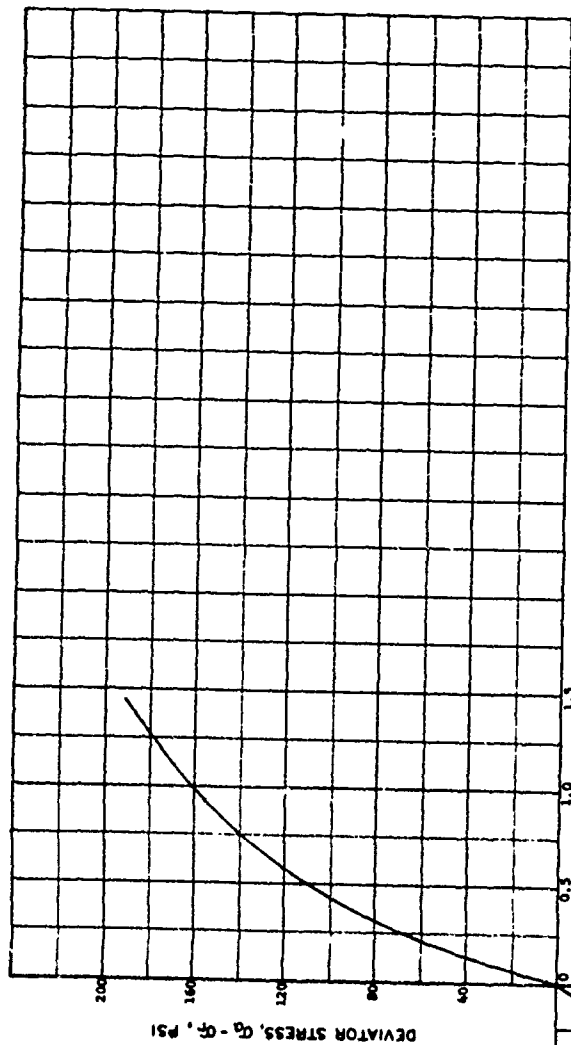
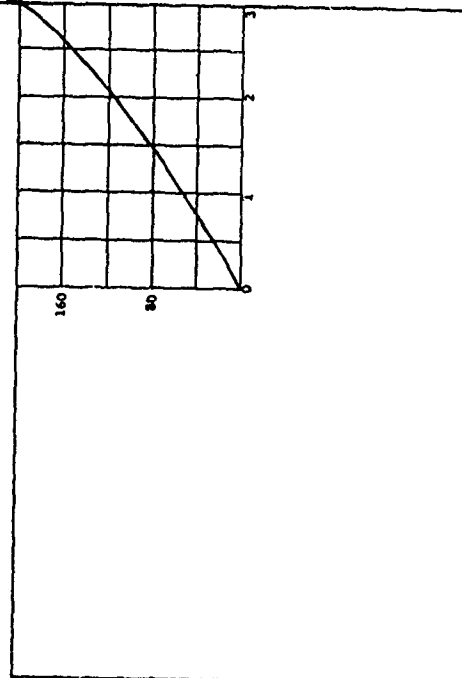
### TRIAxIAL SHEAR PHASE

PROJECT		Ge Tech 3-602	
CONTRACT NO.		DACA39-67-C-0051	
AREA			
BORING NO.	SAMPLE NO.	82	
DEPTH	DATE		
EL	PL	15	PI 13
DESCRIPTION			
McDonnell Beach Sand			

WATER CONTENT	W	8.24	%
VOID RATIO	$e_0$	0.31	
SATURATION	$S_0$	69.88	%
DRY DENSITY	$\gamma_d$	126.72	PCF
WET DENSITY	$\gamma$	137.17	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



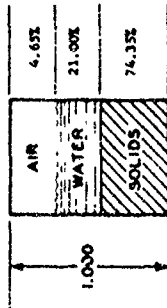
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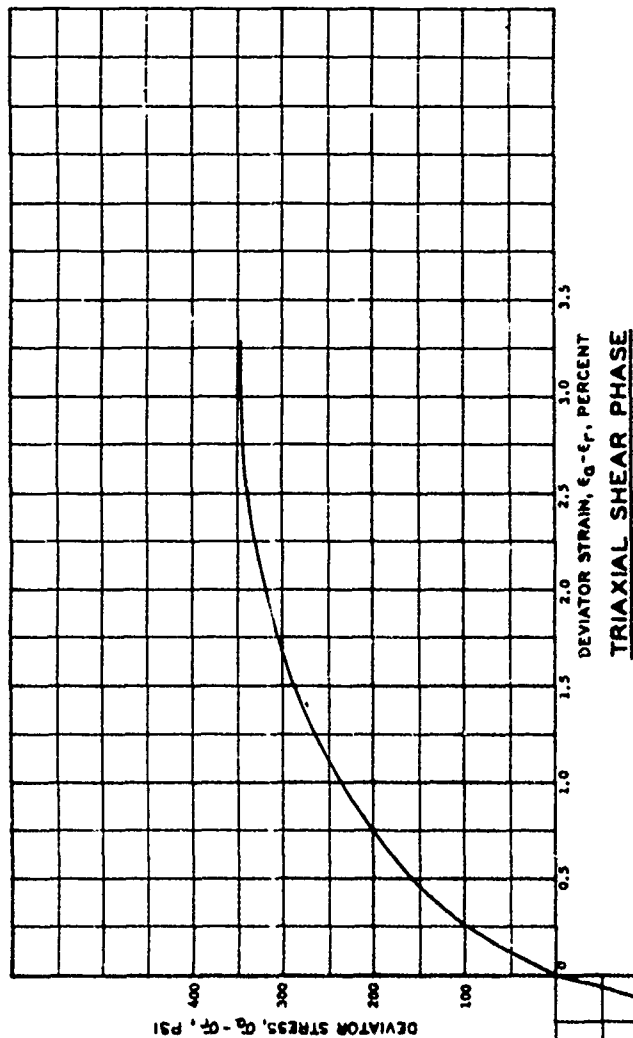
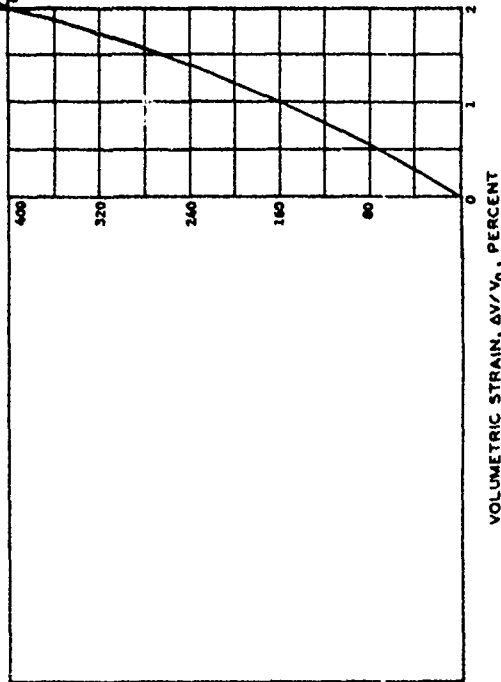
### TRIAxIAL SHEAR PHASE

PROJECT		Ga Tech 3-402	
CONTRACT NO.		DAGL39-67-C-0031	
AREA	BORING NO.	SAMPLE NO.	44
DEPTH	DATE	PL	13
LL	27	PL	12
DESCRIPTION			
McCormick Ranch Sand			

WATER CONTENT	W	10.58	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_R$	81.88	%
DRY DENSITY	$\gamma_d$	123.87	PCF
WET DENSITY	$\gamma$	136.98	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



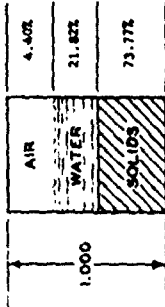
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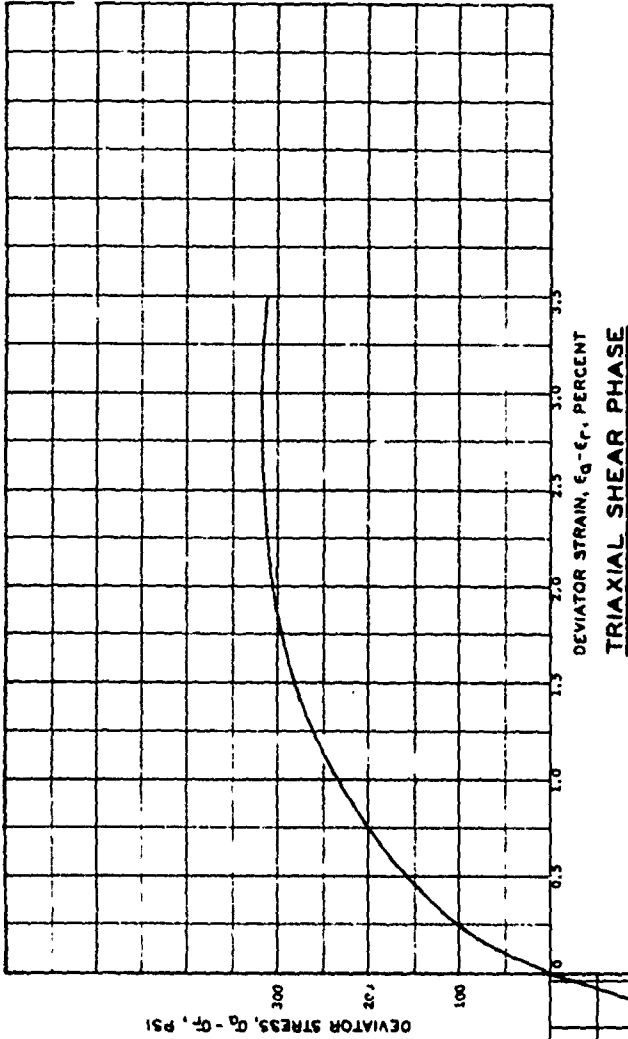
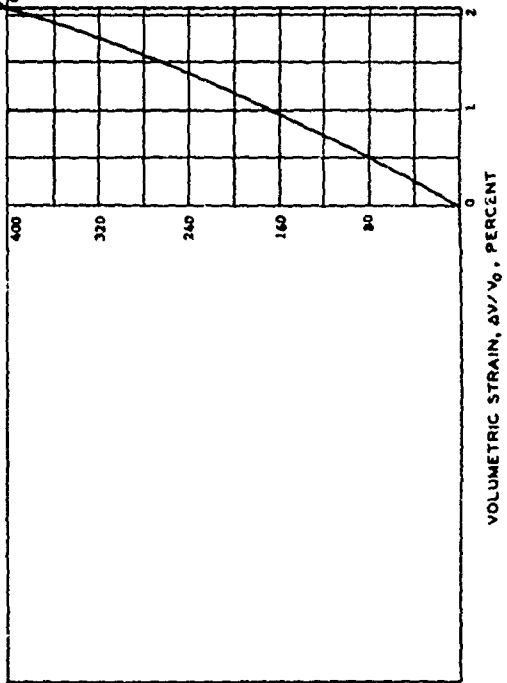
HYDROSTATIC PRESSURE,  $p$ , PSI

PROJECT		Ga Tech B-602	
CONTRACT NO.		DACA39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	85	
DEPTH	DATE		
LL	PL	15	P1 12
DESCRIPTION			
McCormick Ranch Road			

WATER CONTENT	W	11.08	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	83.21	%
DRY DENSITY	$\gamma_d$	122.91	PCF
WET DENSITY	$\gamma$	136.53	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



### HYDROSTATIC COMPRESSION PHASE

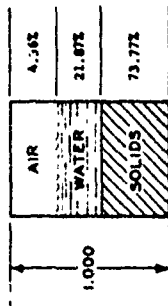


### TRIAxIAL SHEAR PHASE

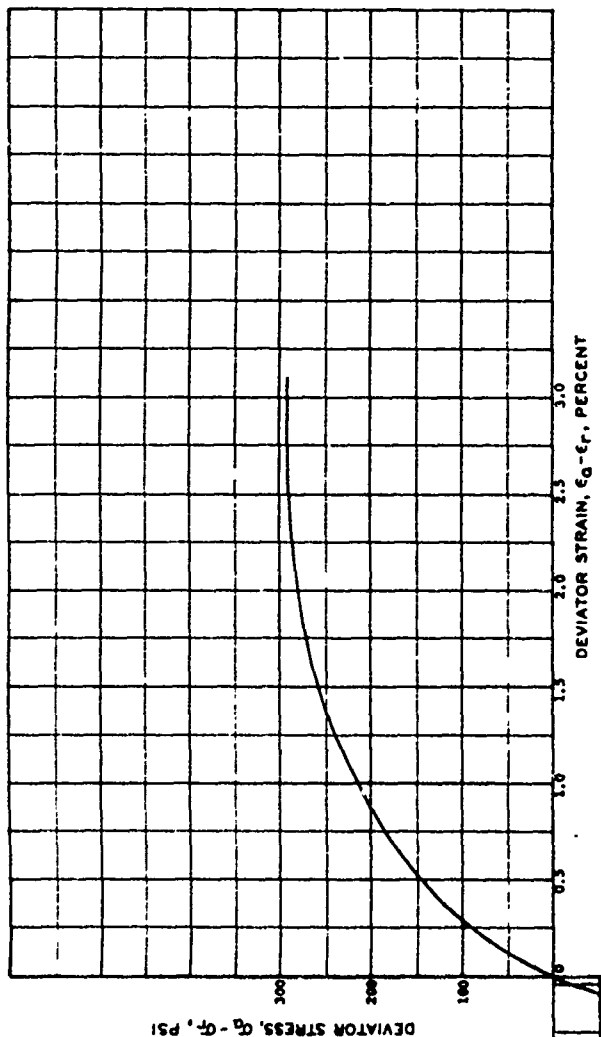
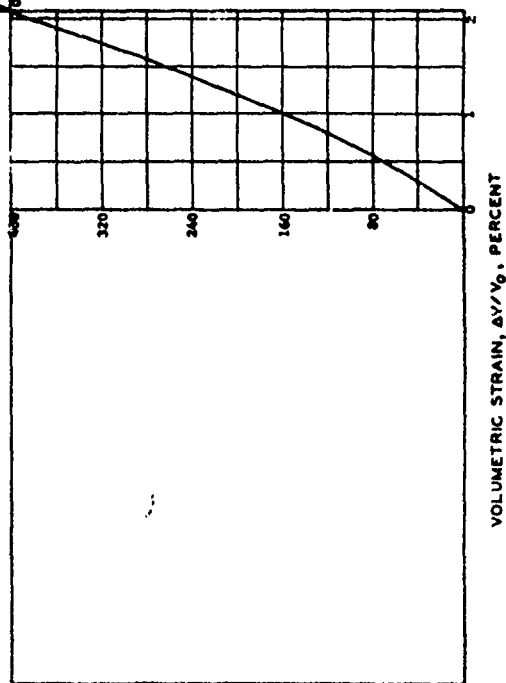
PROJECT		Ga Tech 8-602	
Contract No.		DACA39-67-C-0031	
AREA	BORING NO.	SAMPLE NO.	47
DEPTH	DATE	PL	15
EL	PI	12	
DESCRIPTION			
McCombs Ranch Sand			

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	11.10	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	83.38	%
DRY DENSITY	$\gamma_d$	122.91	PCF
WET DENSITY	$\gamma$	136.55	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.31	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



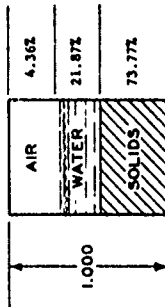
### HYDROSTATIC COMPRESSION PHASE



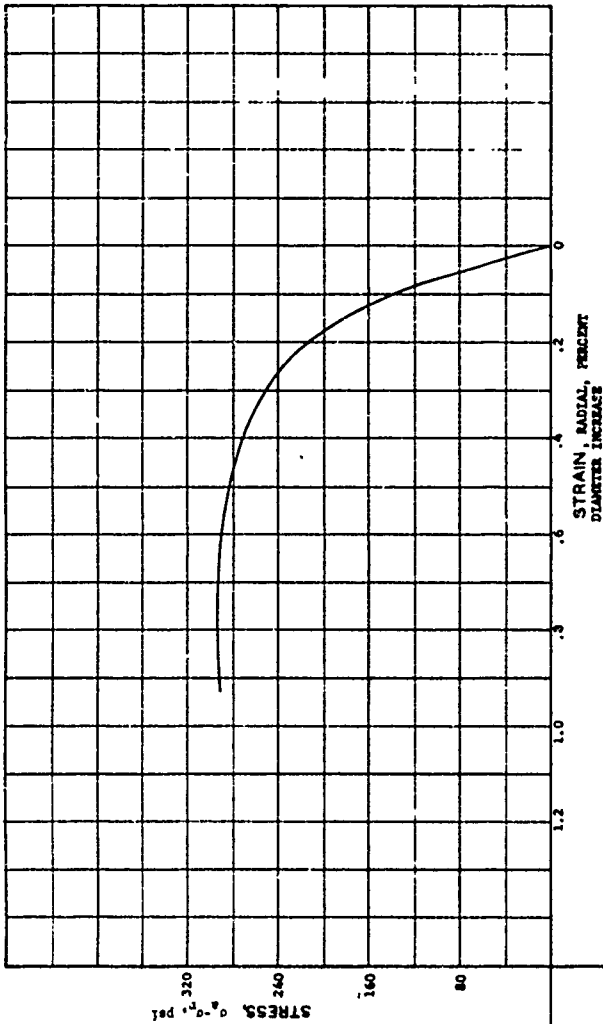
### TRIAXIAL SHEAR PHASE

PROJECT		On Job 3-602	
Contract No.		MDJ39-67-C-0031	
AREA	BORING NO.	SAMPLE NO.	89
DEPTH	EL	DATE	
LL	27	PL	15
DESCRIPTION	McGonick Bench Sand		

WATER CONTENT	W	11.10	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	83.38	%
DRY DENSITY	$\gamma_d$	122.91	PCF
WET DENSITY	$\gamma$	136.55	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



### HYDROSTATIC COMPRESSION PHASE



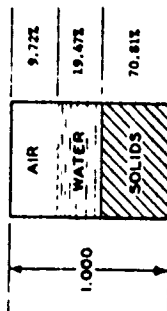
HYDROSTATIC PRESSURE,  $P$ , PSI

VOLUMETRIC STRAIN,  $\Delta v/v_0$ , PERCENT

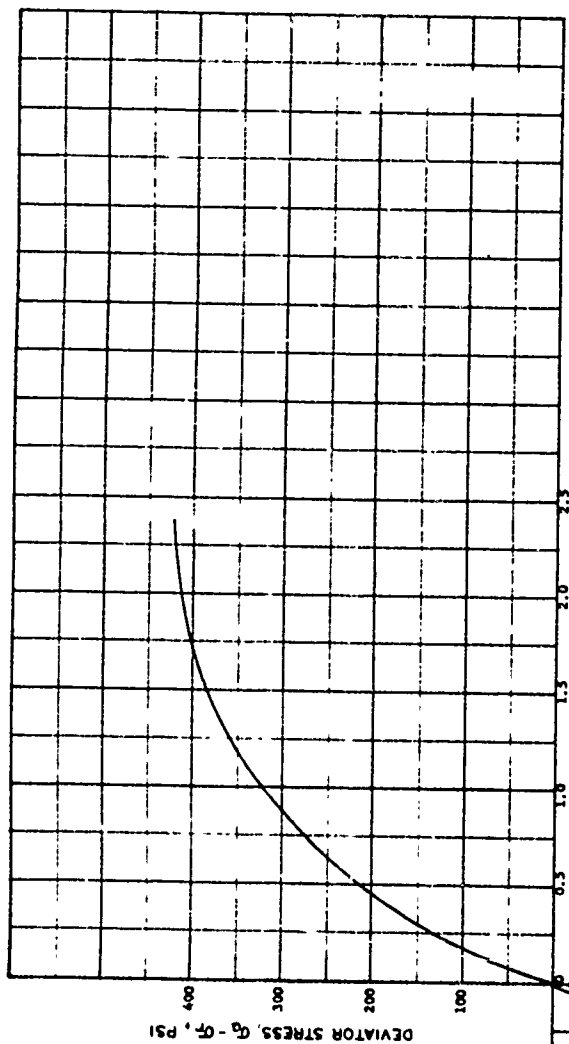
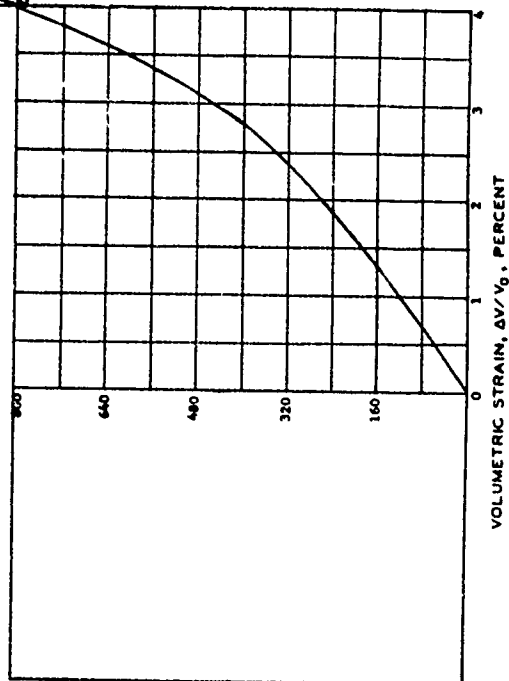
PROJECT		Ge Tech B-602	
		Contract No. DAC39-67-G-0051	
AREA			
BORING NO.	SAMPLE NO. 89		
DEPTH	DATE		
EL	PL	15	P1 12
DESCRIPTION			
McComick Ranch Sand			



WATER CONTENT	W	10	30	%
VOID RATIO	$e_0$			0.41
SATURATION	$S_0$			66.70
DRY DENSITY	$\gamma_d$			117.98
WET DENSITY	$\gamma$			130.13
SPECIFIC GRAVITY	$G_s$			2.67
SPECIMEN DIAMETER	$D_0$			3.52
SPECIMEN HEIGHT	$H_0$			7.80



### HYDROSTATIC COMPRESSION PHASE

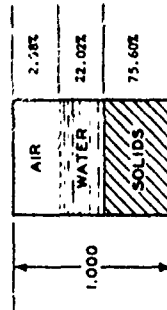


### TRIAxIAL SHEAR PHASE

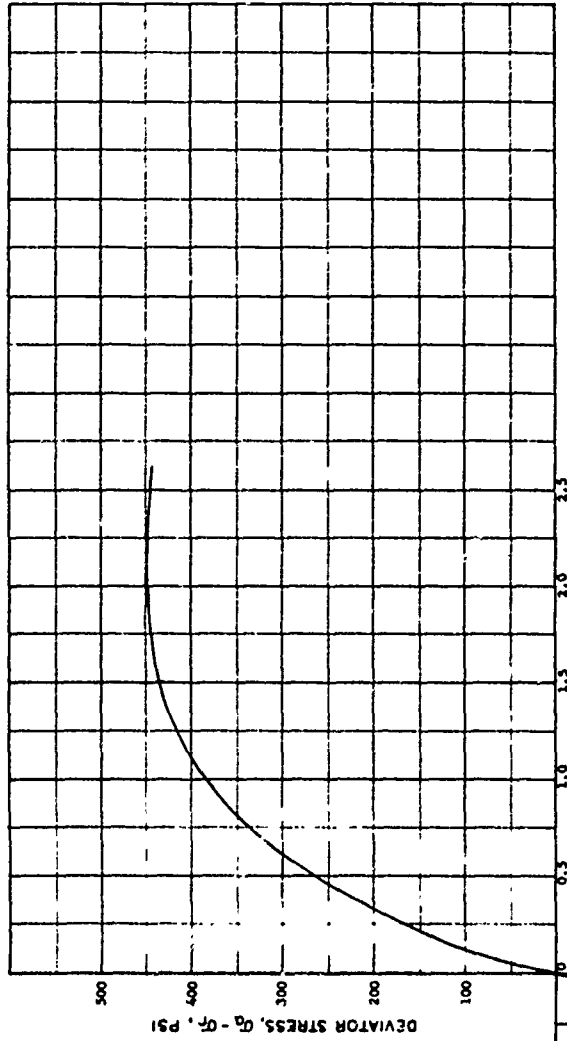
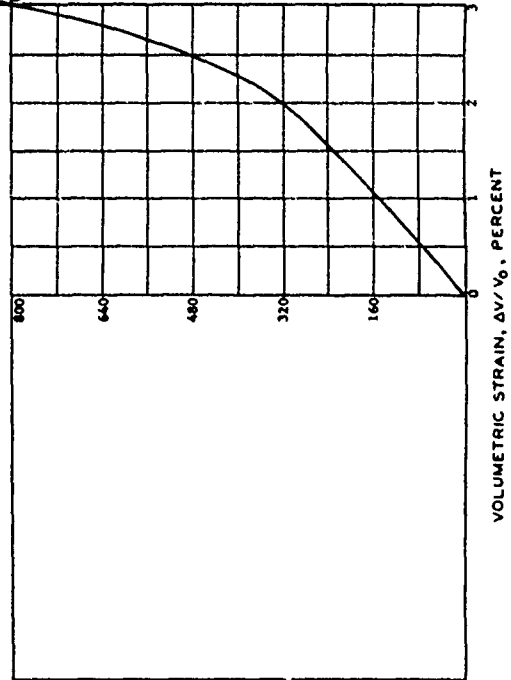
PROJECT		Contract No. DMC39-67-C-0031	
AREA		SAMPLE NO. 15	
BORING NO.	DEPTH	DATE	
LL	PL	PL	12
DESCRIPTION McCormick Ranch, Sand			

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	10.91	%
VOID RATIO	$e_0$	0.32	
SATURATION	$S_0$	90.75	%
DRY DENSITY	$\gamma_d$	125.95	PCF
WET DENSITY	$\gamma$	138.09	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.46	CM
SPECIMEN HEIGHT	$H_0$	7.55	CM



### HYDROSTATIC COMPRESSION PHASE

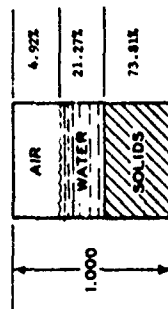


### TRIAxIAL SHEAR PHASE

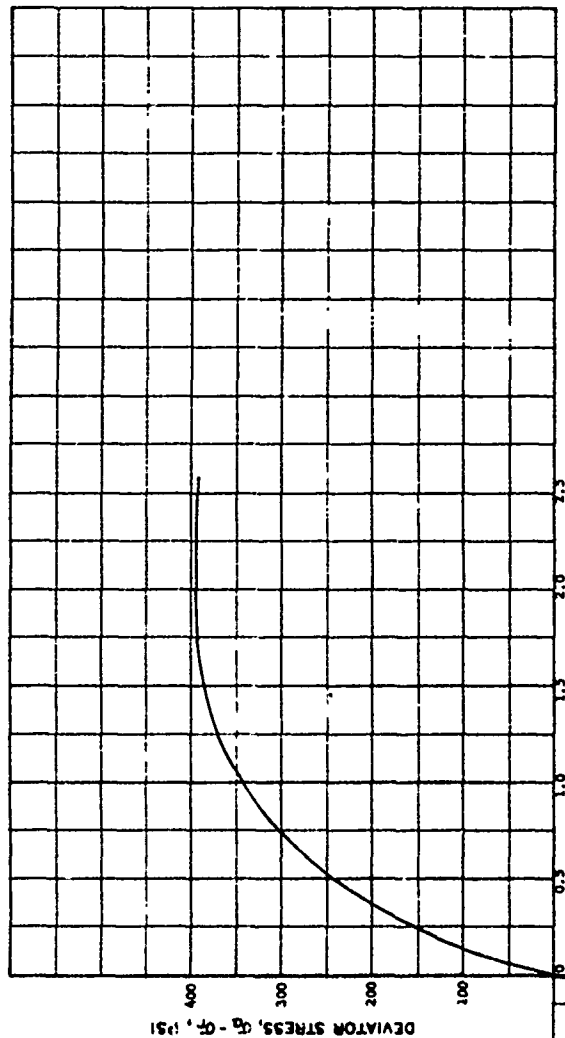
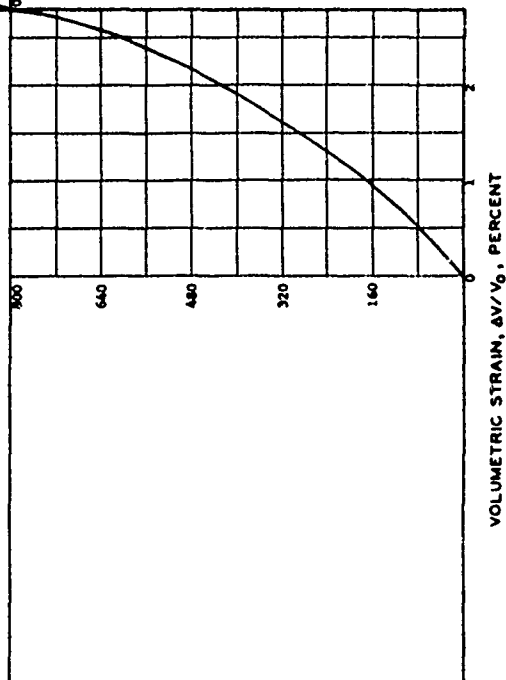
PROJECT		Ga Tech B-602:	
Contract No. DMC39-67-C-0031			
AREA		SAMPLE NO.	49
BORING NO.		DEPTH	
EL		DATE	
LL	27	PL	15
PI	12		
DESCRIPTION		McComach Ranch Sand	

HYDROSTATIC PRESSURE, P, PSI

WATER CONTENT	W	10.79	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	81.22	%
DRY DENSITY	$\gamma_d$	122.97	PCF
WET DENSITY	$\gamma$	136.24	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.56	CM



### HYDROSTATIC COMPRESSION PHASE

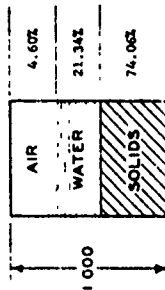


### TRIAxIAL SHEAR PHASE

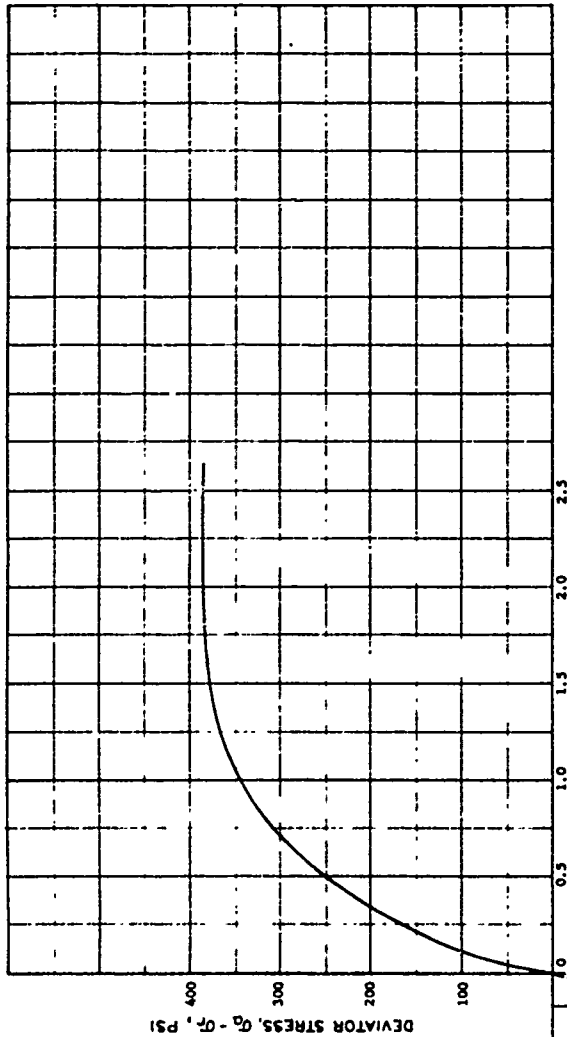
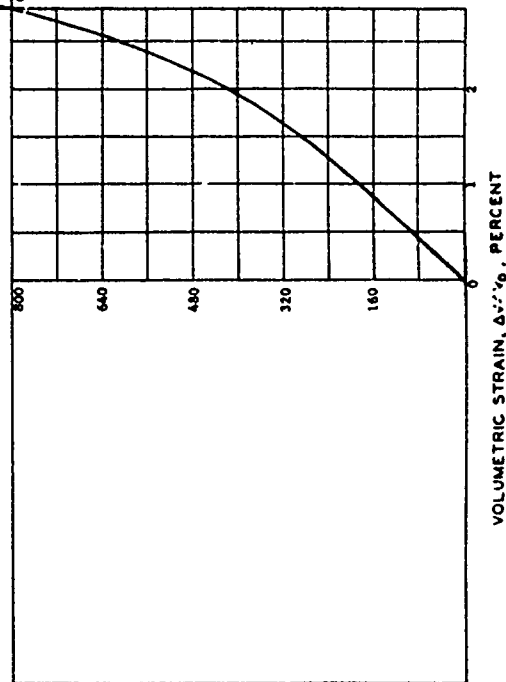
PROJECT		CA Tech 8-602:	
		Contract No. DMCA39-67-G-0031	
AREA			
BORING NO.	SAMPLE NO.	70	
DEPTH	DATE		
EL			
LL	PL	15	P1 12
DESCRIPTION McComick Bench Sand			

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	10.79	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	82.28	%
DRY DENSITY	$\gamma_d$	123.39	PCF
WET DENSITY	$\gamma$	136.71	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.54	CM



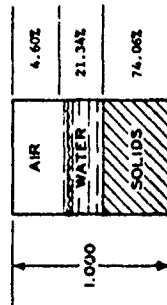
### HYDROSTATIC COMPRESSION PHASE



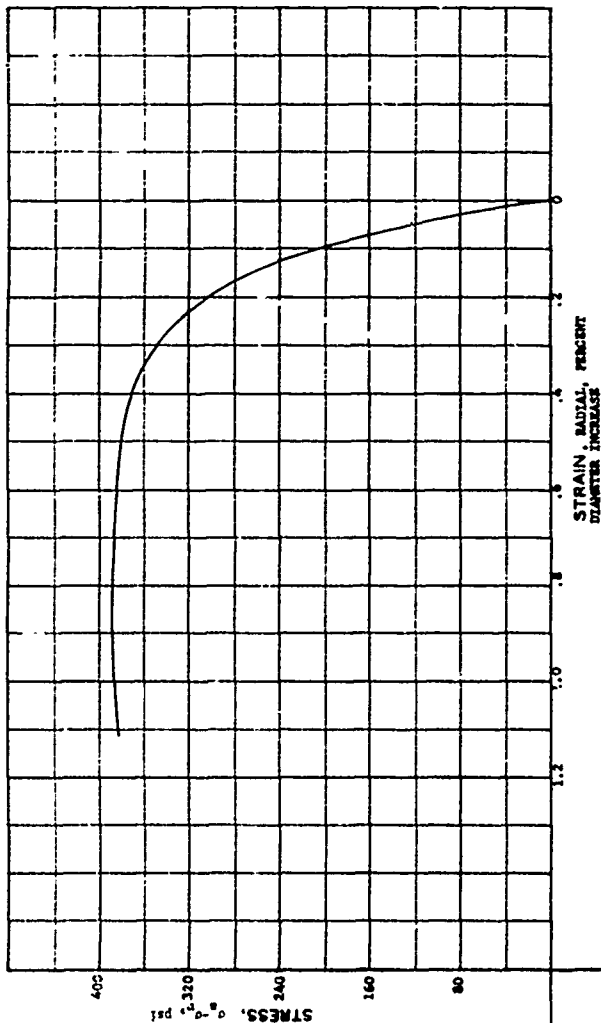
### TRIAXIAL SHEAR PHASE

PROJECT	Ca Tech B-602		
Contract No.	DMCJS-67-C-0031		
AREA			
BORING NO.	SAMPLE NO. 71		
DEPTH	DATE		
EL	PL 15	PI 12	
DESCRIPTION	McComick Beach Sand		

WATER CONTENT	W	10.79	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	82.28	%
DRY DENSITY	$\gamma_d$	123.39	PCF
WET DENSITY	$\gamma$	136.71	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.54	CM



### HYDROSTATIC COMPRESSION PHASE

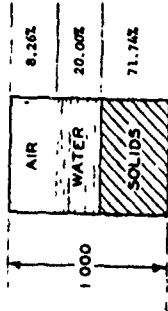


VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

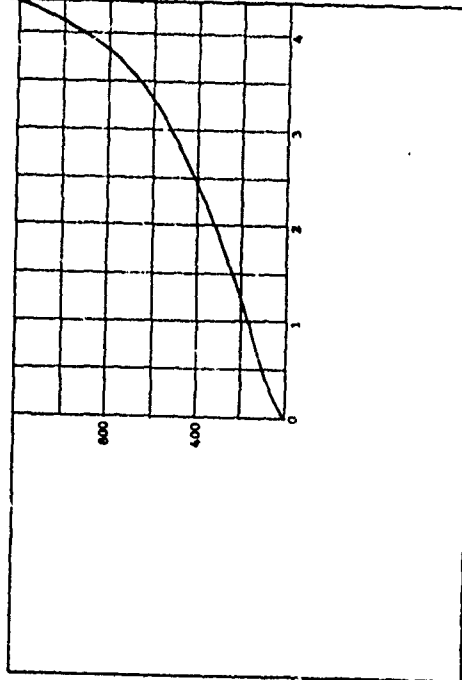
HYDROSTATIC PRESSURE,  $p$ , PSI

PROJECT		Ca Tech 8-602;	
		Contract No. DCA39-67-G-0051	
AREA			
BORING NO.	SAMPLE NO. 71		
DEPTH	DATE		
EL	PL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand			

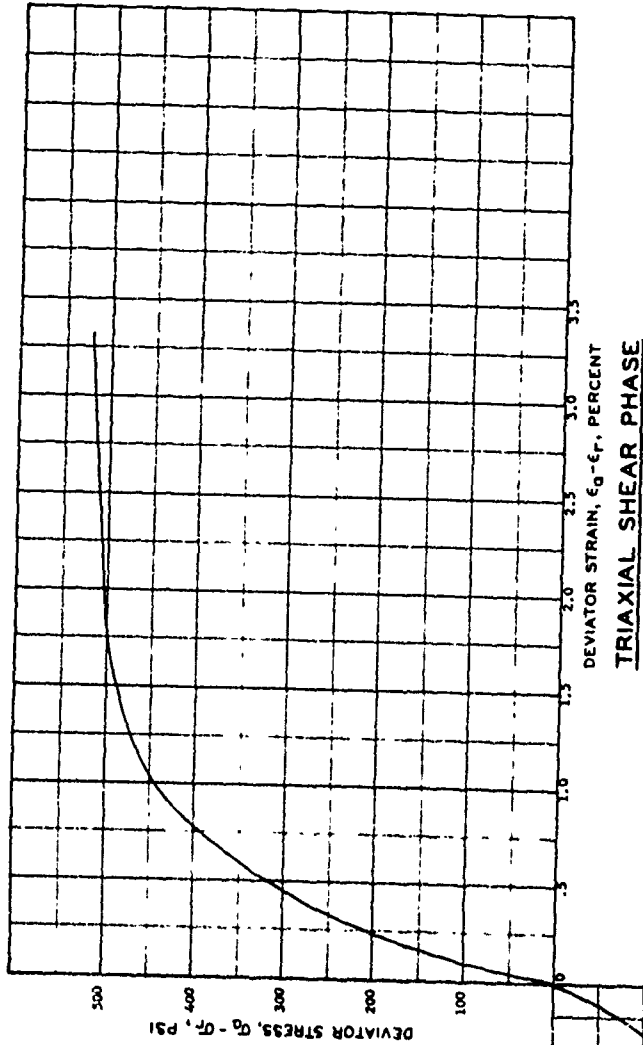
WATER CONTENT	W	10.44	%
VOID RATIO	$e_0$	0.39	
SATURATION	$S_0$	70.78	%
DRY DENSITY	$\gamma_d$	119.53	PCF
WET DENSITY	$\gamma$	132.01	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.79	CM



### HYDROSTATIC COMPRESSION PHASE



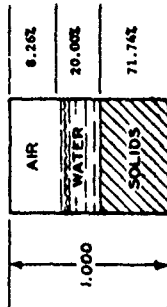
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



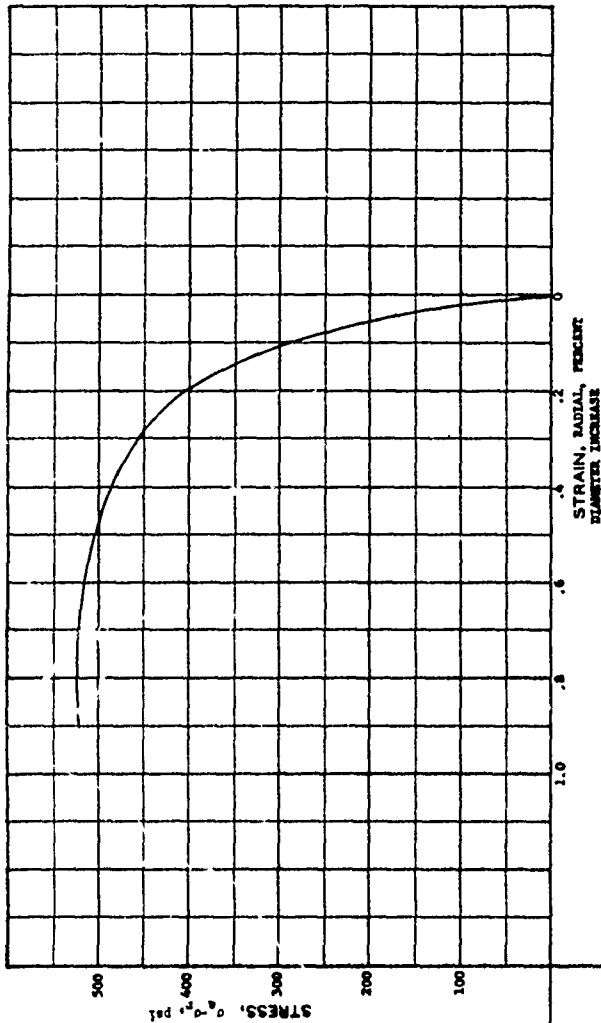
HYDROSTATIC PRESSURE,  $p$ , PSI

PROJECT	Ga Tech B-502:	
CONTRACT NO.	DMS39-67-C-0051	
AREA		
BORING NO.	SAMPLE NO. 16	
DEPTH	DATE	
EL.	PL 15	PI 12
DESCRIPTION	McComick Ranch Sand	

WATER CONTENT	W	10.44	%
VOID RATIO	$e_0$	0.39	
SATURATION	$S_0$	70.78	%
DRY DENSITY	$\gamma_d$	119.33	PCF
WET DENSITY	$\gamma$	132.01	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.79	CM



### HYDROSTATIC COMPRESSION PHASE



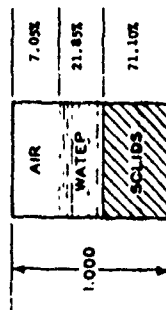
24

HYDROSTATIC PRESSURE, p, psi

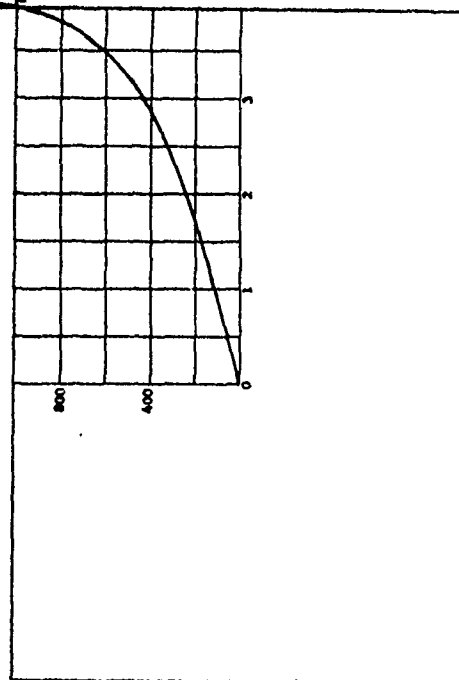
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Ga Tech B-602:	
		Contract No. DCA39-67-C-0031	
AREA			
BORING NO.		SAMPLE NO.	16
DEPTH		DATE	
EL		PL	15
LL	27	PI	12
DESCRIPTION			
McGraw-Hill Ranch Sand			

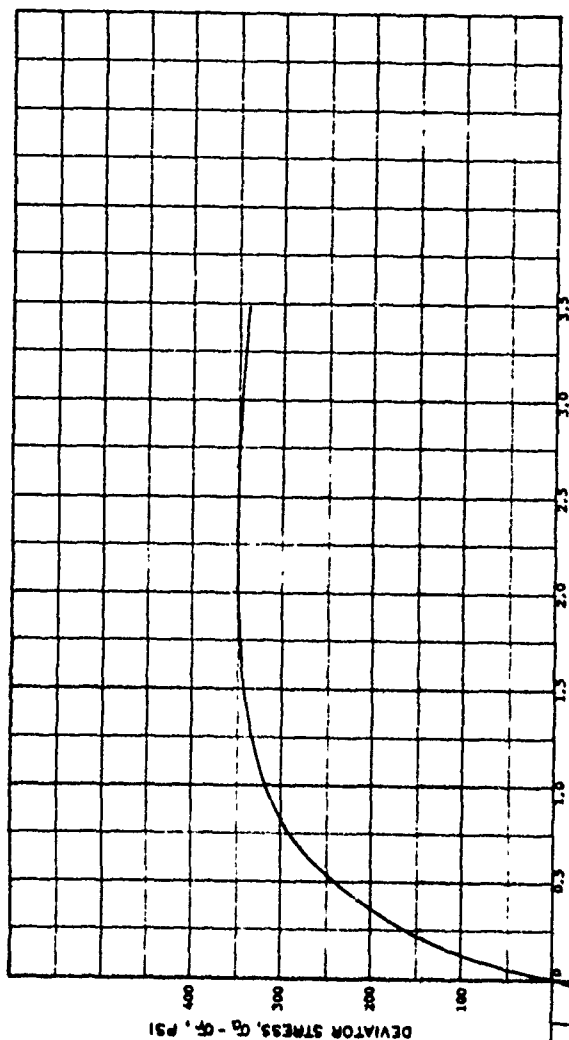
WATER CONTENT	W	11.51 %
VOID RATIO	$e_0$	0.41
SATURATION	$S_0$	73.60 %
DRY DENSITY	$\gamma_d$	118.46 PCF
WET DENSITY	$\gamma$	132.09 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.83 CM



### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



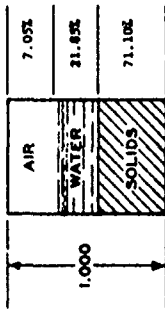
### TRIAxIAL SHEAR PHASE

PROJECT		Ca Tech 8-6051	
		Contract No. DCA39-67-C-0051	
AREA			
BORING NO.	SAMPLE NO.	27	
DEPTH	DATE		
EL	PL	15	P1 12
DESCRIPTION			
McCormick Ranch Sand			

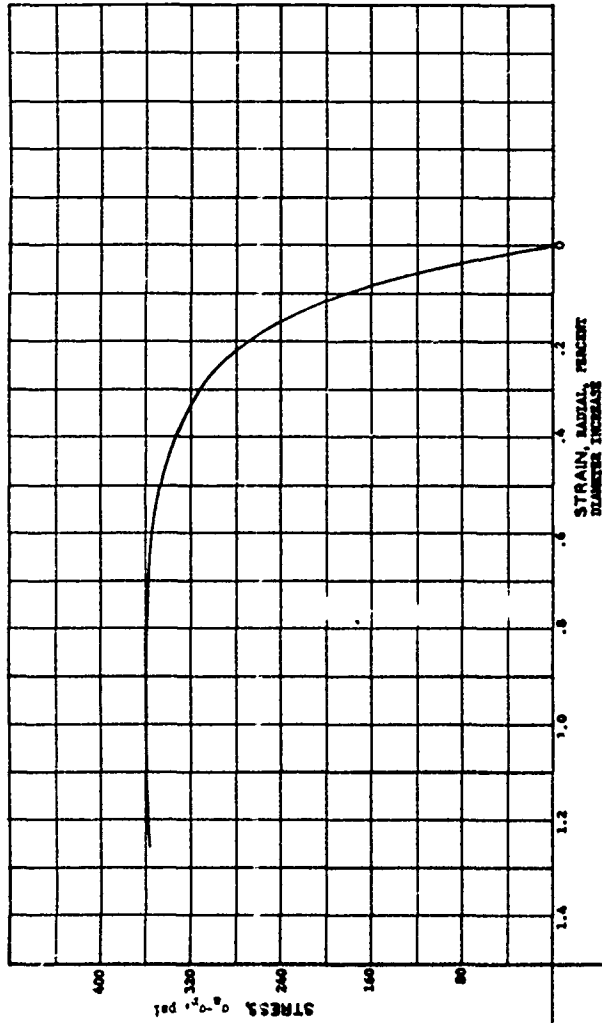
HYDROSTATIC PRESSURE,  $P$ , PSI



WATER CONTENT	W	11.51	%
VOID RATIO	$e_0$	0.41	
SATURATION	$S_0$	75.60	%
DRY DENSITY	$\gamma_d$	118.46	PCF
WET DENSITY	$\gamma$	132.09	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.83	CM



### HYDROSTATIC COMPRESSION PHASE

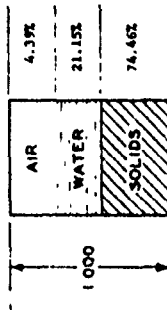


HYDROSTATIC PRESSURE,  $p$ , PSI

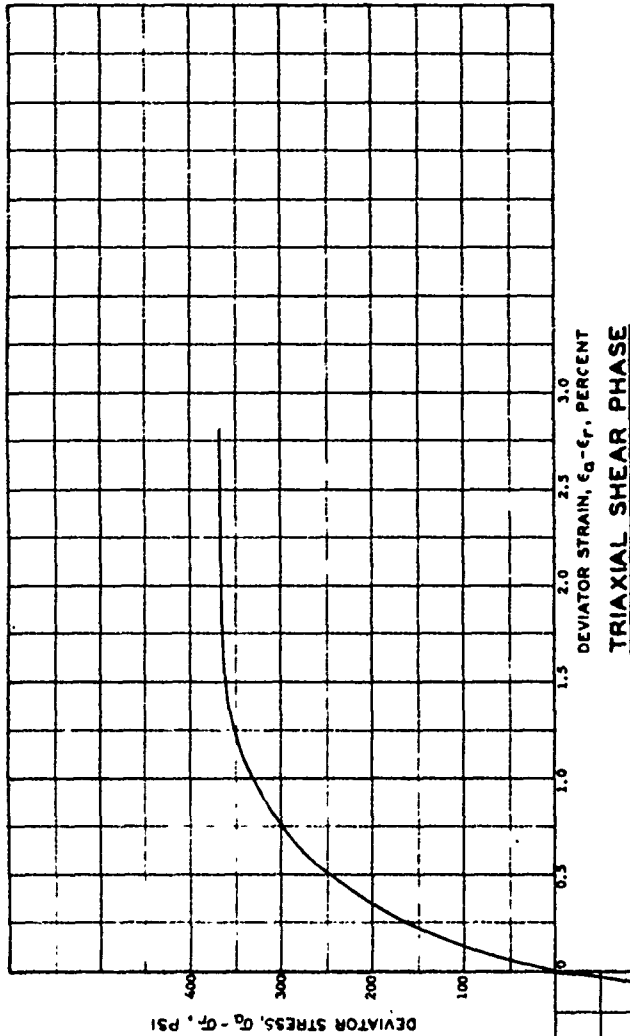
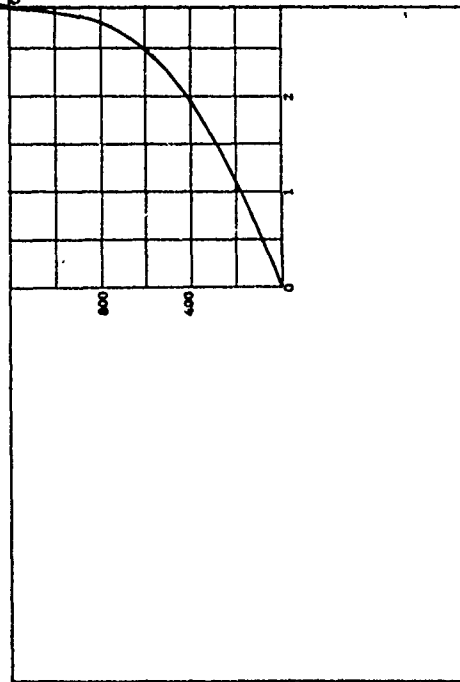
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		On Tech B-602:	
		Contract No. DMC39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO. 27		
DEPTH	DATE		
LL	27	PL	13
		P1	12
DESCRIPTION			
McCombs Ranch Sand			

WATER CONTENT	W	10.64	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	82.81	%
DRY DENSITY	$\gamma_d$	124.05	PCF
WET DENSITY	$\gamma$	137.25	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.55	CM



### HYDROSTATIC COMPRESSION PHASE

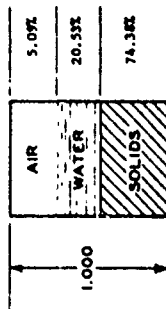


### TRIAxIAL SHEAR PHASE

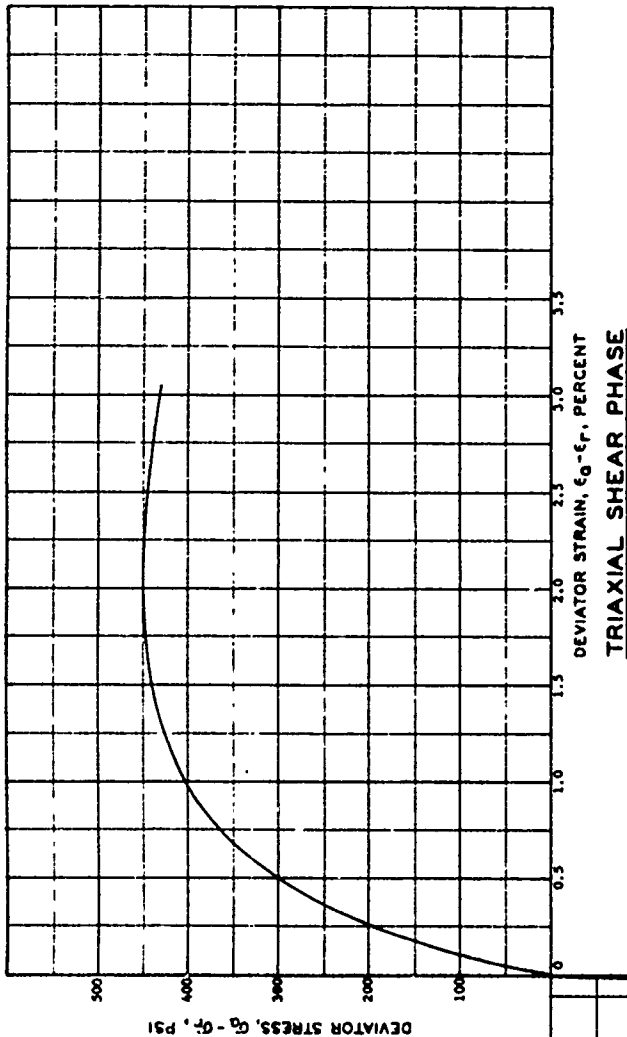
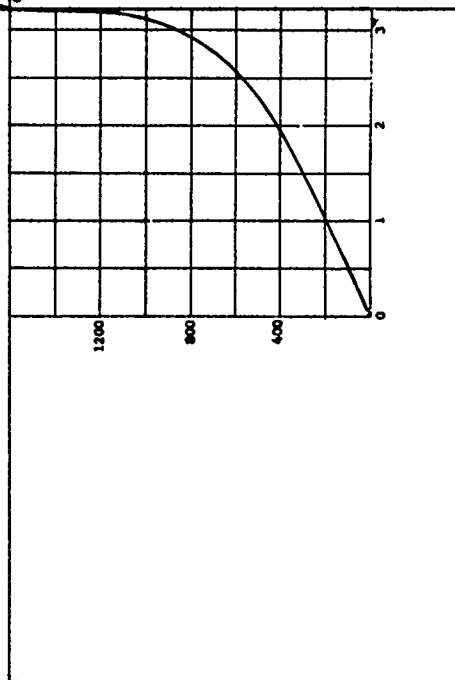
PROJECT		On Tech 3-6021	
Contract No.		DMC39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	34	
DEPTH	DATE		
EL	PL	13	PI 12
DESCRIPTION McCormick Ranch Sand			

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	10.34 %
VOID RATIO	$e_0$	0.3445
SATURATION	$S_0$	80.14 %
DRY DENSITY	$\gamma_d$	123.89 PCF
WET DENSITY	$\gamma$	136.73 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.53 CM



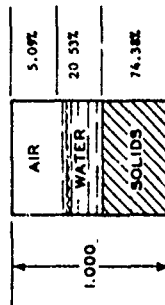
### HYDROSTATIC COMPRESSION PHASE



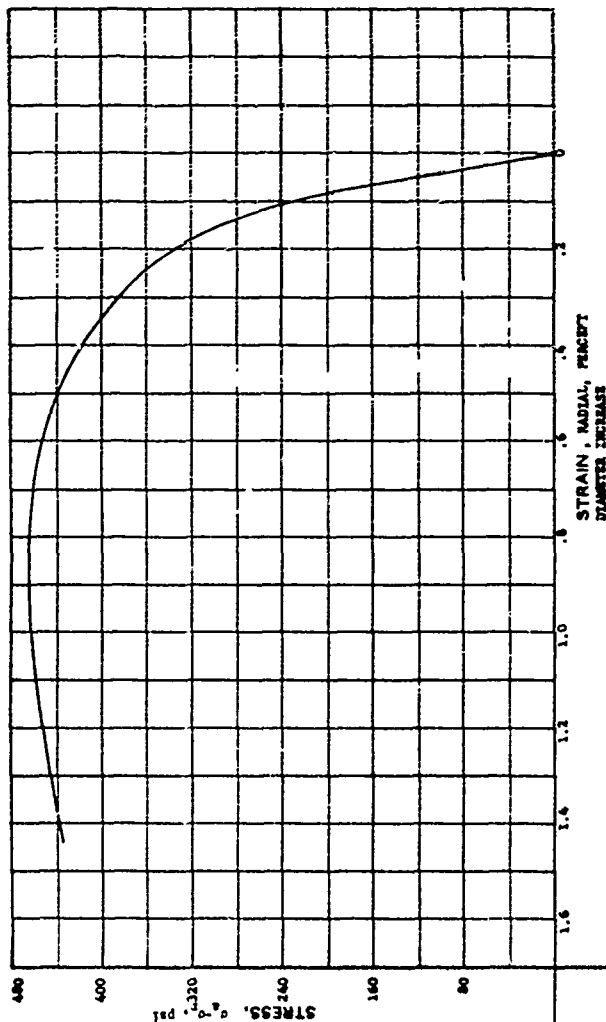
HYDROSTATIC PRESSURE,  $p$ , PSI

PROJECT		Ga Tech 3-602	
		Contract No. DACW39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO. 33		
DEPTH	DATE		
EL	PL 15	P1	12
DESCRIPTION Macomber Ranch Sand			

WATER CONTENT	W	10.34	%
VOID RATIO	$e_0$	0.3445	
SATURATION	$S_0$	80.14	%
DRY DENSITY	$\gamma_d$	123.92	PCF
WET DENSITY	$\gamma$	136.73	PCF
SPECIMEN GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



### HYDROSTATIC COMPRESSION PHASE

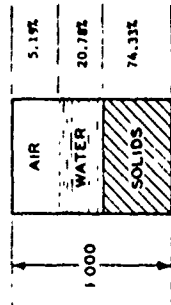


HYDROSTATIC PRESSURE, P, PSI

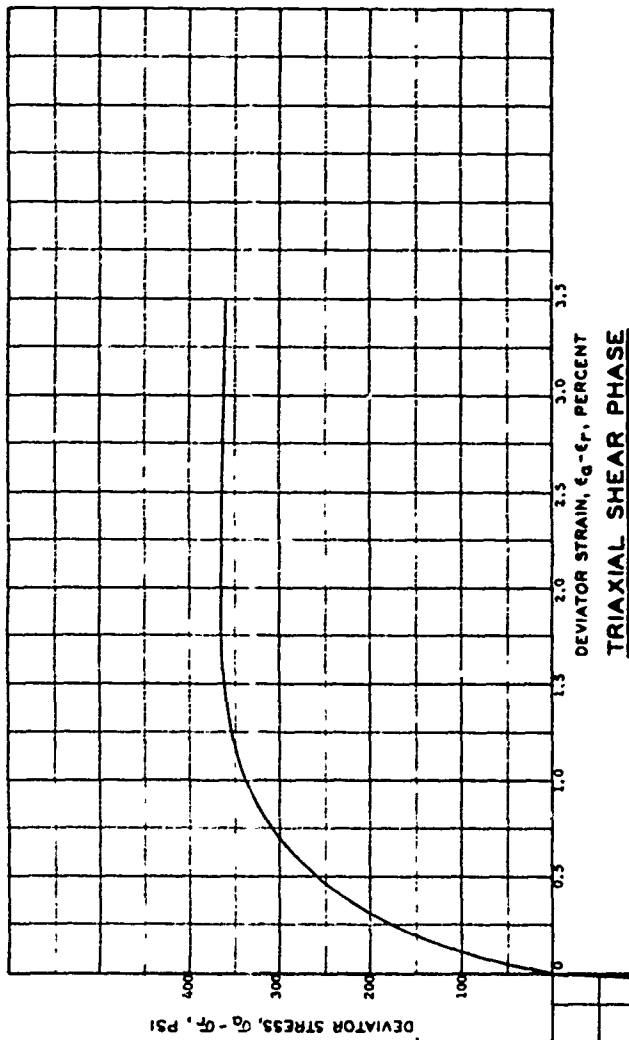
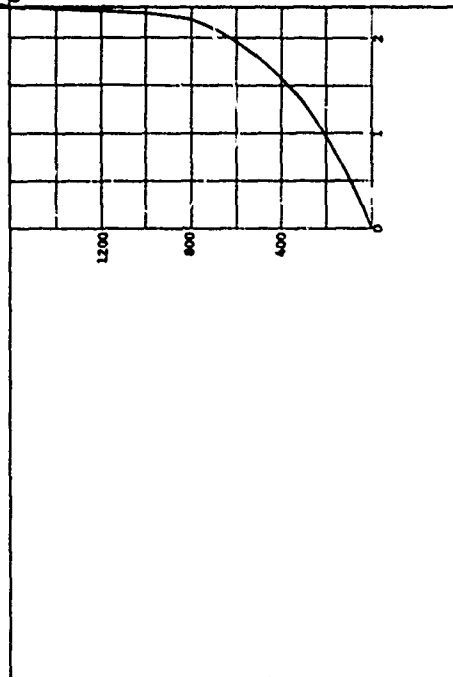
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Ga Tech 8-6021	
		Contract No. DMOJ39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.		35
DEPTH	DATE		
EL	27	PL	13
LL	27	PL	13
DESCRIPTION			
McCombs Bench Sand			

WATER CONTENT		W	10.51	%
VOID RATIO		$e_0$	0.35	
SATURATION		$S_0$	80.02	%
DRY DENSITY		$\gamma_d$	123.34	PCF
WET DENSITY		$\gamma$	136.31	PCF
SPECIFIC GRAVITY		$G_s$	2.67	
SPECIMEN DIAMETER		$D_0$	3.51	CM
CORRECTION HEIGHT		$H_0$	7.55	CM



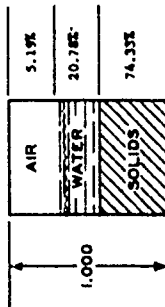
#### HYDROSTATIC COMPRESSION PHASE



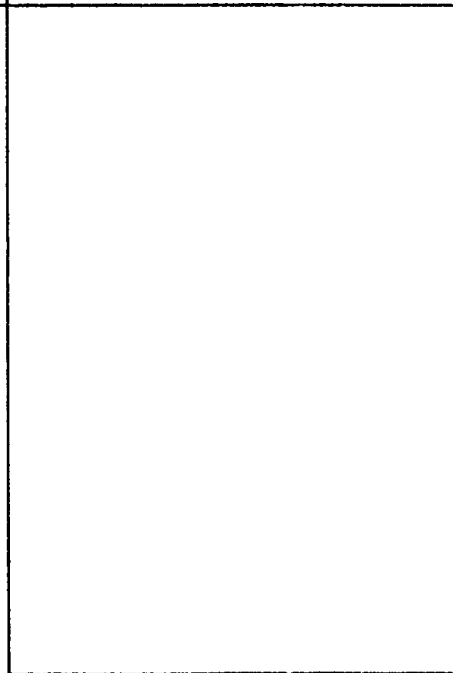
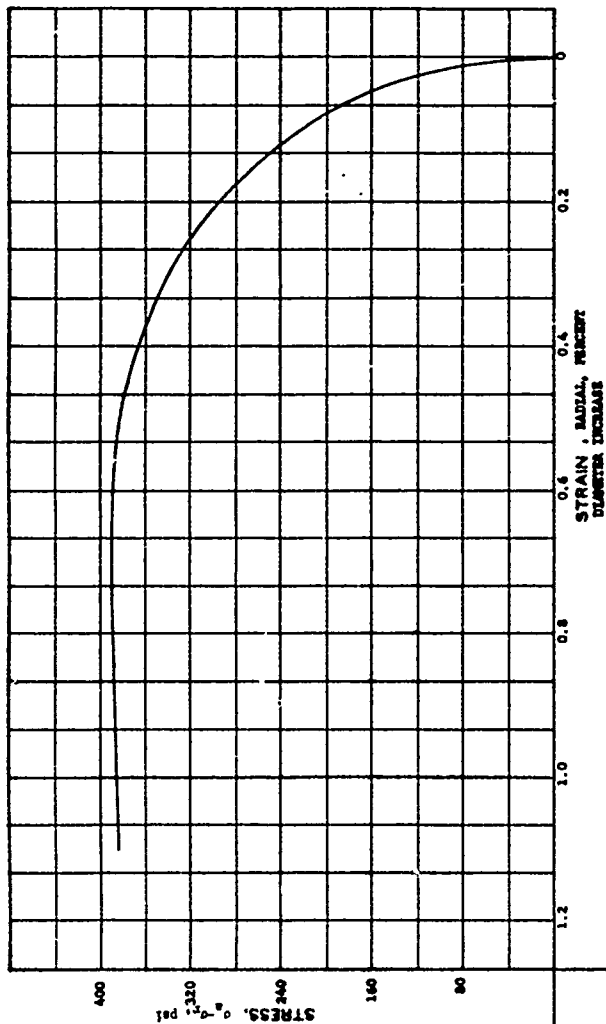
#### TRIAXIAL SHEAR PHASE

PROJECT		Ca Tech B-602	
CONTRACT NO.		DMJ33-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	44	
DEPTH	DATE		
LL	PL	15	PI 12
DESCRIPTION			
McCormick Beach Sand			

WATER CONTENT	W	10.51	%
VOID RATIO	$e_0$	0.33	
SATURATION	$S_0$	80.02	%
DRY DENSITY	$\gamma_d$	123.34	PCF
WET DENSITY	$\gamma$	136.31	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.55	CM



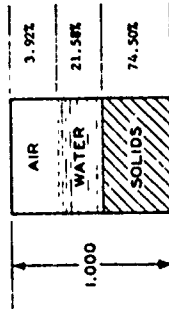
### HYDROSTATIC COMPRESSION PHASE



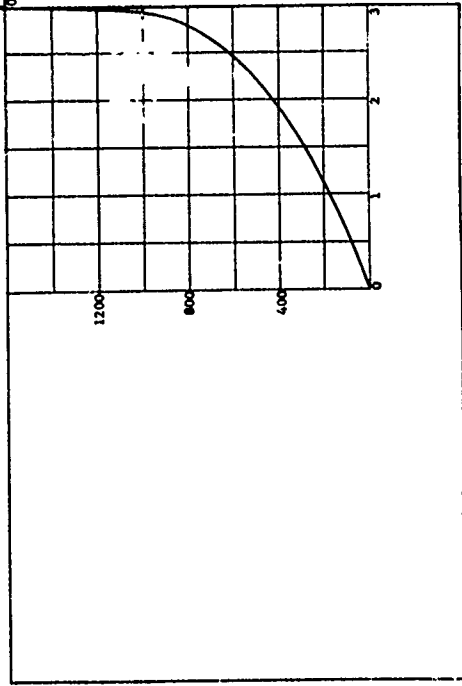
HYDROSTATIC PRESSURE, p, PSI

PROJECT				Ga Tech 3-603,			
				Contract No. DAC39-67-C-0031			
AREA							
BORING NO.				SAMPLE NO. 44			
DEPTH				DATE			
EL				PL 15			
LL 27				PI 12			
DESCRIPTION				McCombs Ranch Sand			

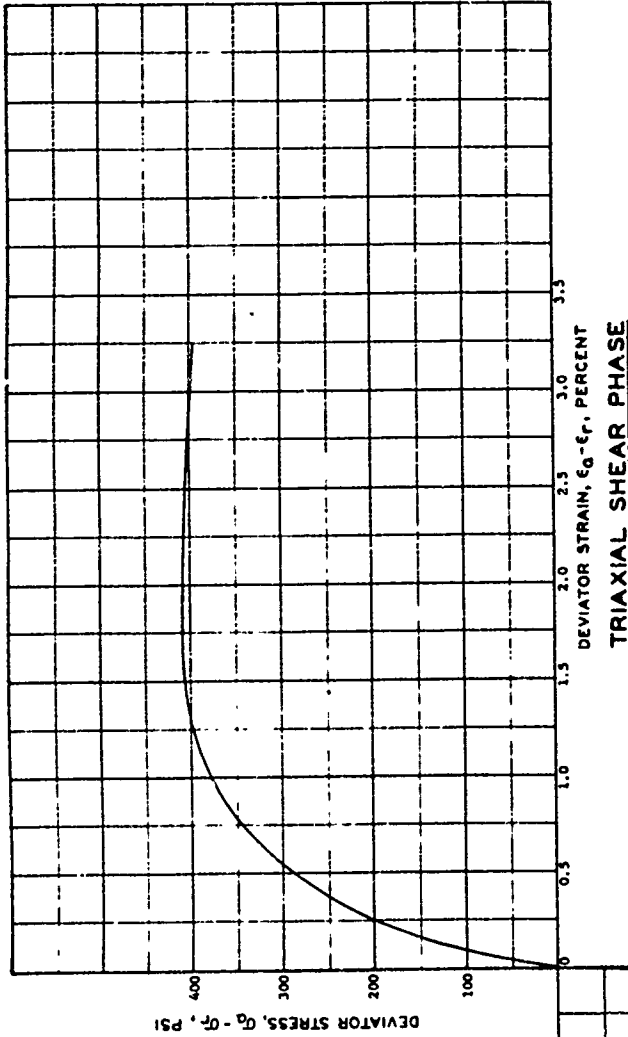
WATER CONTENT	W	10.85	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	84.61	%
DRY DENSITY	$\gamma_d$	126.11	PCF
WET DENSITY	$\gamma$	137.58	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.55	CM



# HYDROSTATIC COMPRESSION PHASE



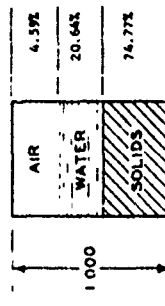
HYDROSTATIC PRESSURE,  $P$ , PSI



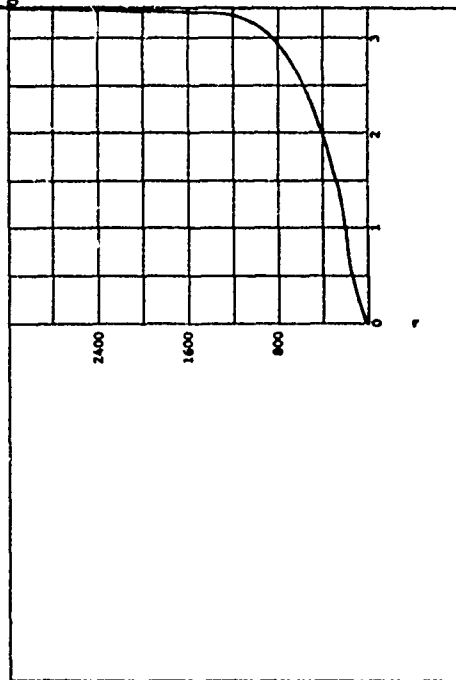
# TRIAxIAL SHEAR PHASE

PROJECT		Ga Tech 8-602:	
		Contract No. DAC439-67-C-0031	
AREA			
BORING NO.		SAMPLE NO.	48
DEPTH		DATE	
EL.		PL	15
LL	27	P1	13
DESCRIPTION McCormick Ranch Sand			

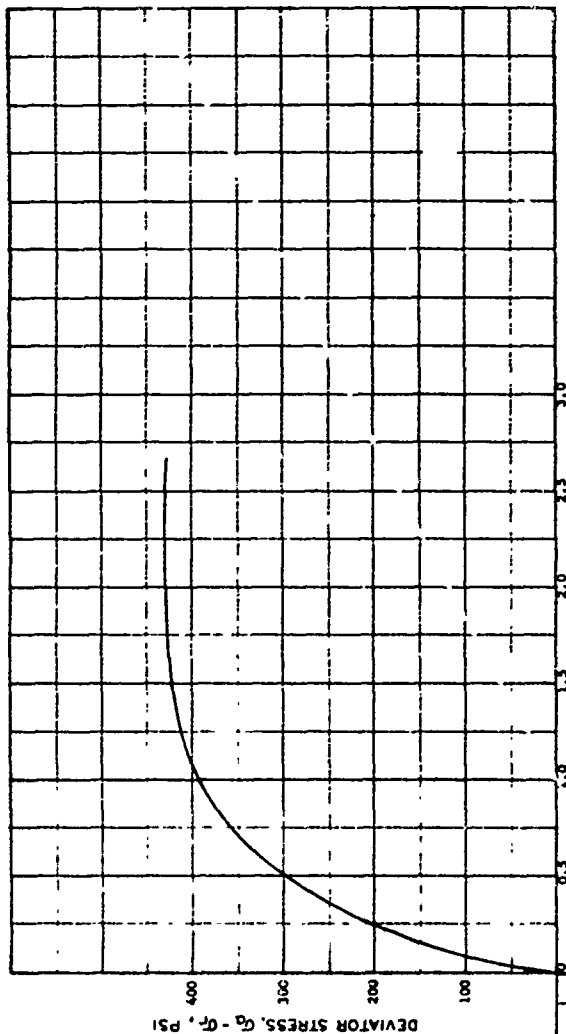
WATER CONTENT	W	10.34	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	81.81	%
DRY DENSITY	$\gamma_d$	124.57	PCF
WET DENSITY	$\gamma$	137.45	PCF
SPLC.F.C. GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.55	CM



### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



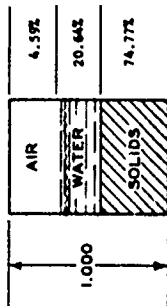
### TRIAxIAL SHEAR PHASE

PROJECT 04 Tech 3-602:		Contract No. DMC39-67-C-0031	
AREA		SAMPLE NO. 41	
BORING NO.	DEPTH	DATE	
EL.	PL.	PL.	PL.
LL	27	15	12
DESCRIPTION McComick Beach Sand			

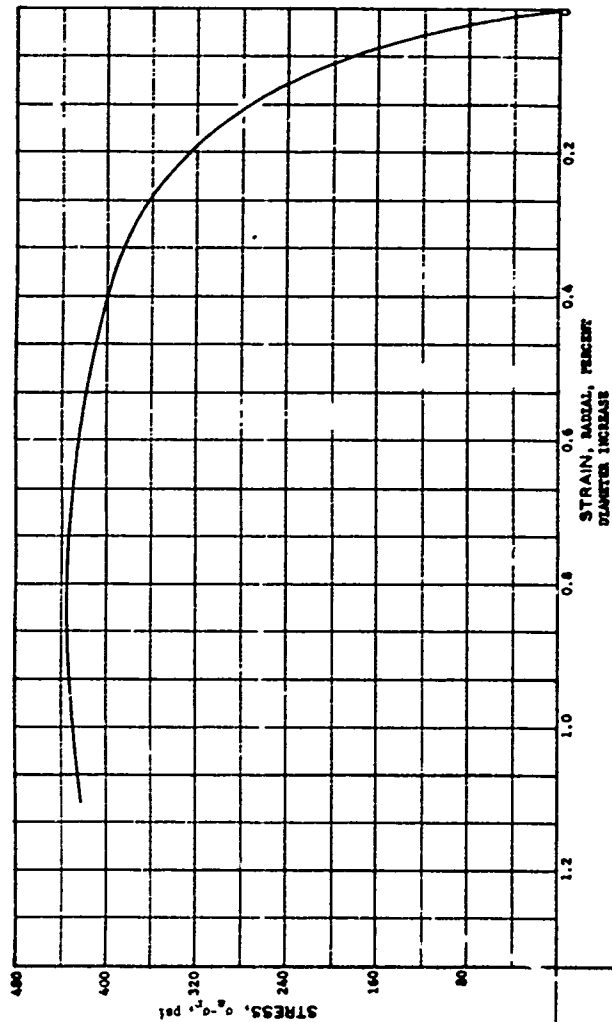
HYDROSTATIC PRESSURE,  $p$ , PSI



WATER CONTENT	W	10.34	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	81.81	%
DRY DENSITY	$\gamma_d$	124.37	PCF
WET DENSITY	$\gamma$	137.45	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.55	CM



### HYDROSTATIC COMPRESSION PHASE

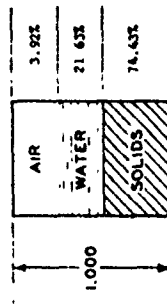


HYDROSTATIC PRESSURE,  $p$ , PSI

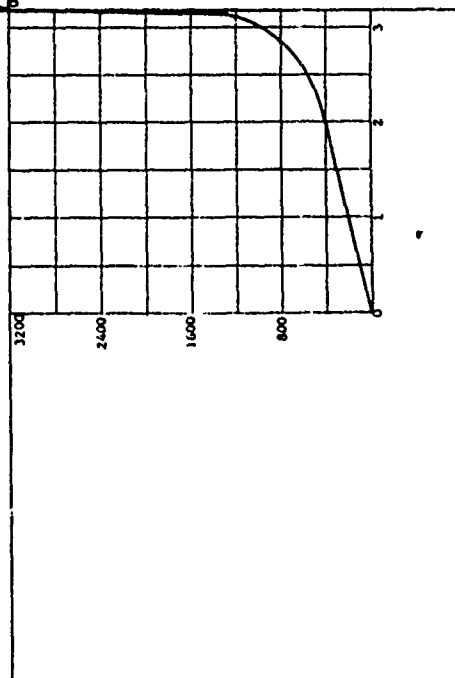
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT 04 Tech 8-6031	
Contract No. DMCA39-67-C-0031	
AREA	
BORING NO.	SAMPLE NO. 41
DEPTH	DATE
LL 27	PL 13
EL	PL 13
DESCRIPTION McGinnick Beach Sand	

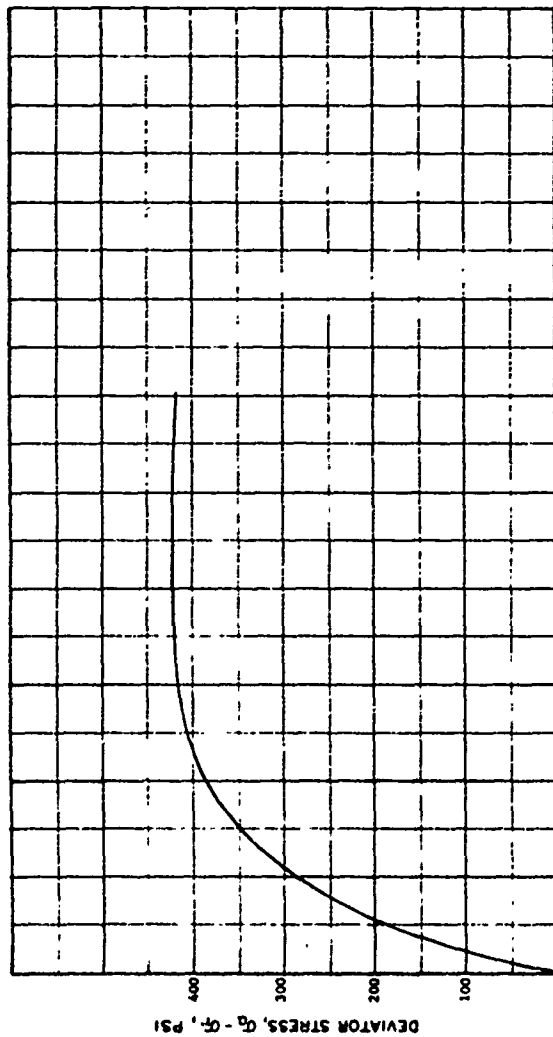
WATER CONTENT	W	10.89	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	84.67	%
DRY DENSITY	$\gamma_d$	124.00	PCF
WET DENSITY	$\gamma$	137.51	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.58	CM



### HYDROSTATIC COMPRESSION PHASE



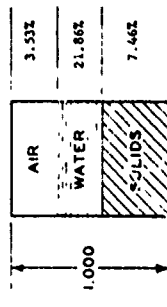
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



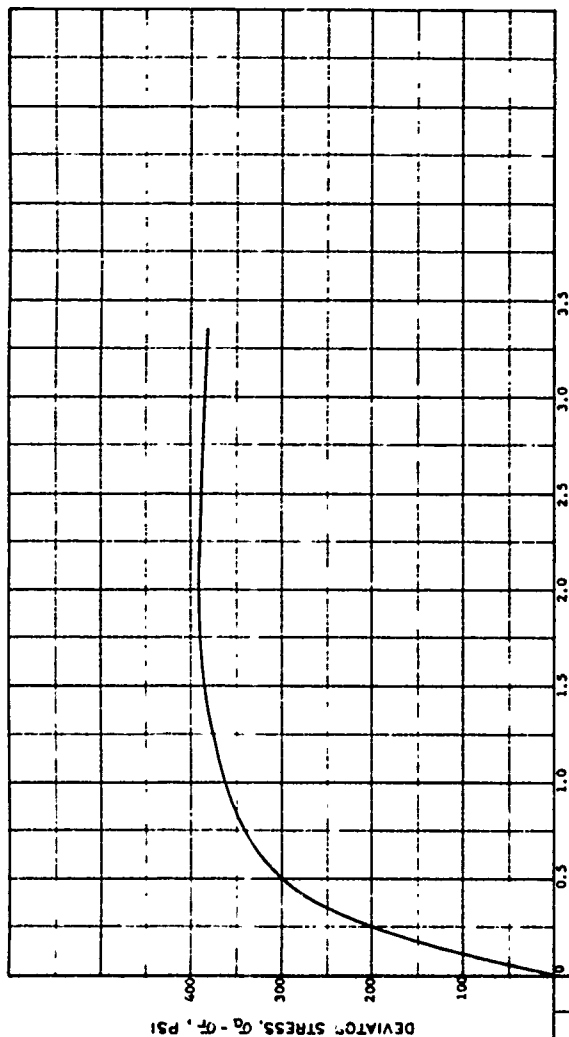
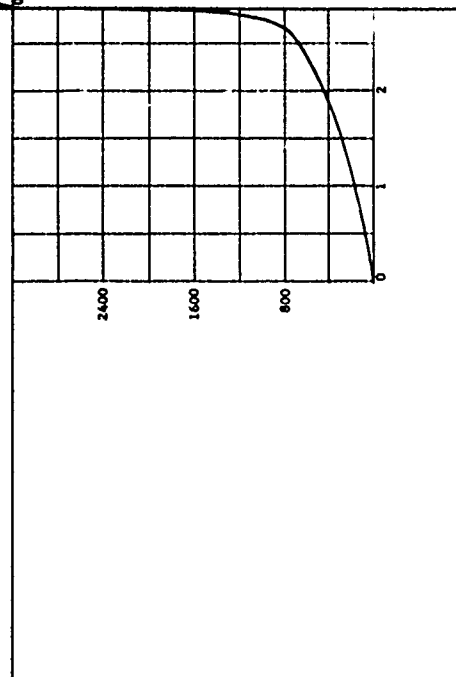
### TRIAxIAL SHEAR PHASE

PROJECT		Ga Tech B-403	
Contract No.		DAC39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	43	
DEPTH	DATE		
LL	PL	13	P1 12
DESCRIPTION			
McComick Ranch Sand			

WATER CONTENT		W	10.98	%
VOID RATIO		$e_0$	0.34	
SATURATION		$S_0$	86.11	%
DRY DENSITY		$\gamma_d$	124.30	PCF
WET DENSITY		$\gamma$	137.95	PCF
SPECIFIC GRAVITY		$G_s$	2.67	
SPECIMEN DIAMETER		$D_0$	3.49	CM
SPECIMEN HEIGHT		$H_0$	7.55	CM



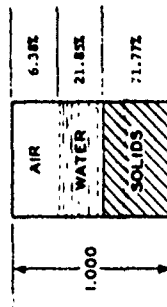
### HYDROSTATIC COMPRESSION PHASE



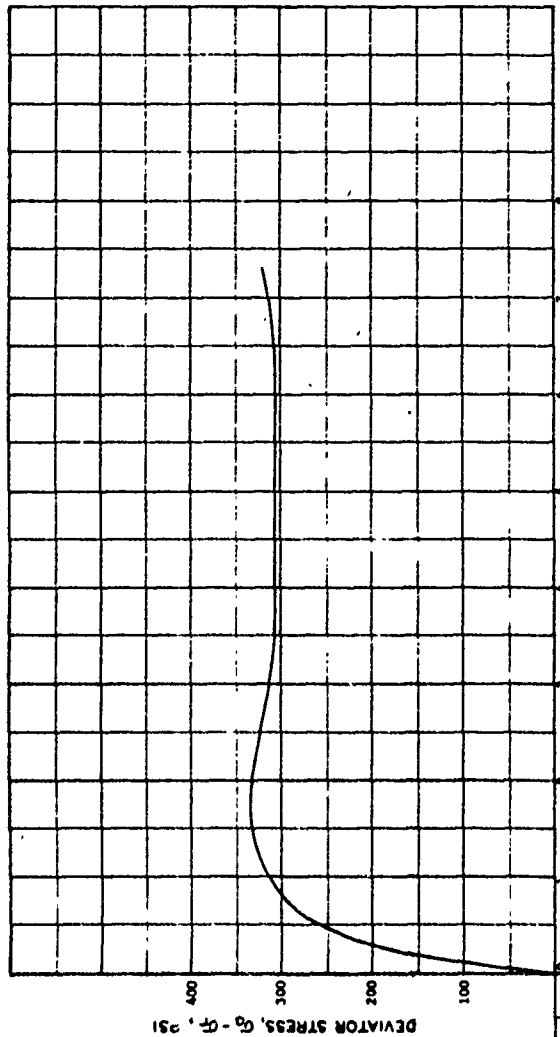
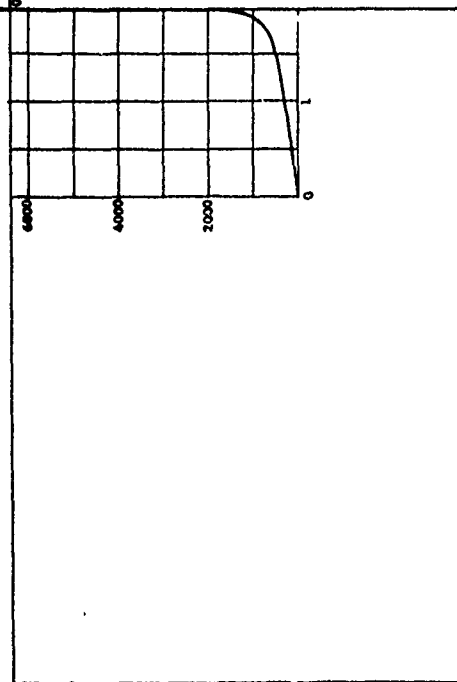
### TRIAxIAL SHEAR PHASE

PROJECT		Ga Tech 9-602:	
CONTRACT NO.		DACA39-67-G-0031	
AREA			
BORING NO.	SAMPLE NO.	55	
DEPTH	DATE		
EL.	PL	15	PI 12
DESCRIPTION McCormick Ranch Sand			

WATER CONTENT	W	11.40	%
VOID RATIO	$e_0$	0.39	
SATURATION	$S_0$	77.40	%
DRY DENSITY	$\gamma_d$	119.57	PCF
WET DENSITY	$\gamma$	133.20	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.54	CM
SPECIMEN HEIGHT	$H_0$	7.54	CM



### HYDROSTATIC COMPRESSION PHASE



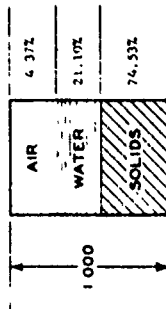
### TRIAxIAL SHEAR PHASE

HYDROSTATIC PRESSURE,  $p$ , PSI

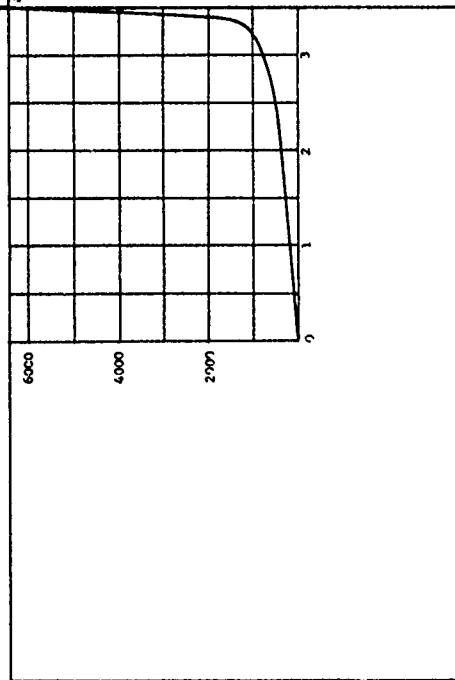
PROJECT		Ga Tech B-602	
		Contract No. DCA39-67-G-0051	
AREA		SAMPLE NO. 39	
BORING NO.		DEPTH	
EL.		DATE	
LL	27	PL	15
		P1	12
DESCRIPTION McCormick Ranch Sand			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

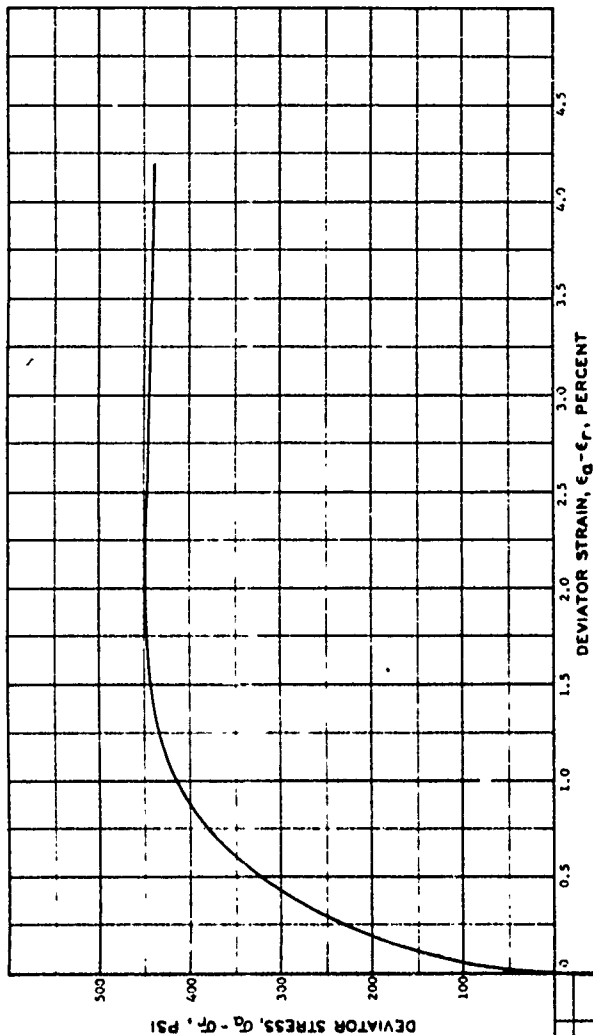
WATER CONTENT	W	10.60	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	82.85	%
DRY DENSITY	$\gamma_d$	124.18	PCF
WET DENSITY	$\gamma$	137.34	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.55	CM



# HYDROSTATIC COMPRESSION PHASE



HYDROSTATIC PRESSURE,  $p$ , PSI

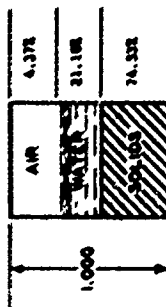


# TRIAXIAL SHEAR PHASE

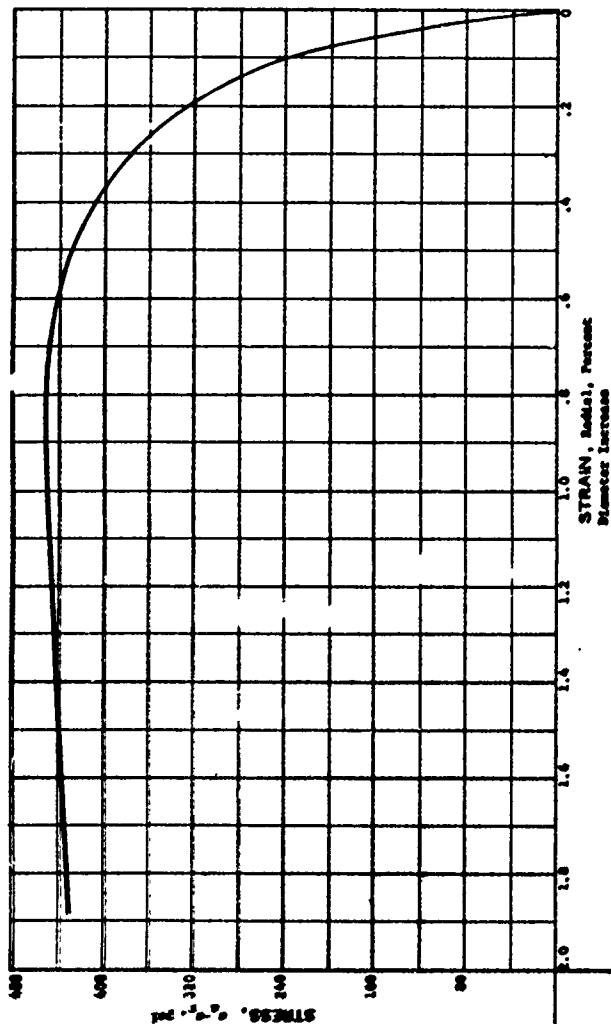
PROJECT Ga Tech B 602		Contract No. BAC39 67-C 0051	
AREA		SAMPLE NO. 42	
BORING NO.		DATE	
DEPTH		PI 12	
EL.		PL 15	
DESCRIPTION McCornick Ranch sand			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	10.40	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_r$	82.85	%
DRY DENSITY	$\gamma_d$	124.18	PCF
WET DENSITY	$\gamma$	137.34	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.90	CM
SPECIMEN HEIGHT	$H_0$	7.35	CM



### HYDROSTATIC COMPRESSION PHASE

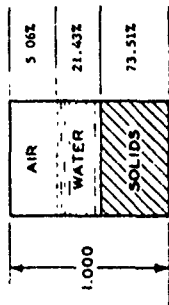


HYDROSTATIC PRESSURE, P, PSI

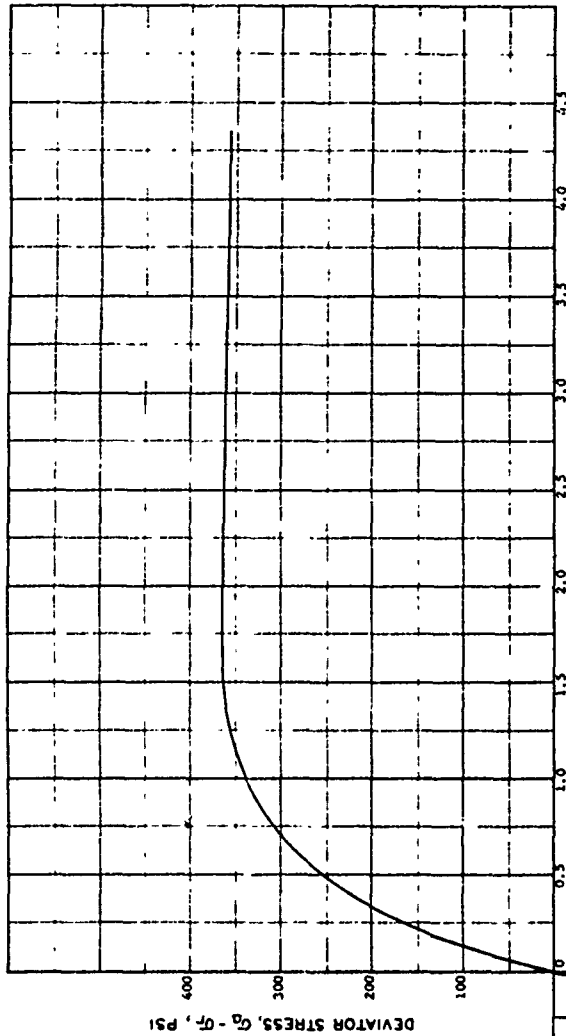
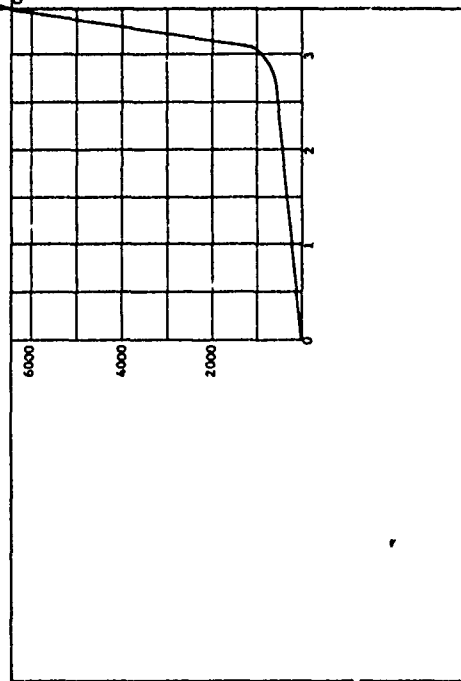
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Ga Tech 3-662.	
		Contract No. MC439-67-4-0031	
AREA			
BORING NO.	SAMPLE NO. 42		
DEPTH	DATE		
EL	PL	15	PI 12
DESCRIPTION			
McCombs Road Sand			

WATER CONTENT	W	10.92	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	80.90	%
DRY DENSITY	$\gamma_d$	122.48	PCF
WET DENSITY	$\gamma$	135.85	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.36	CM



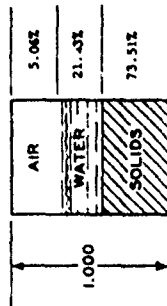
### HYDROSTATIC COMPRESSION PHASE



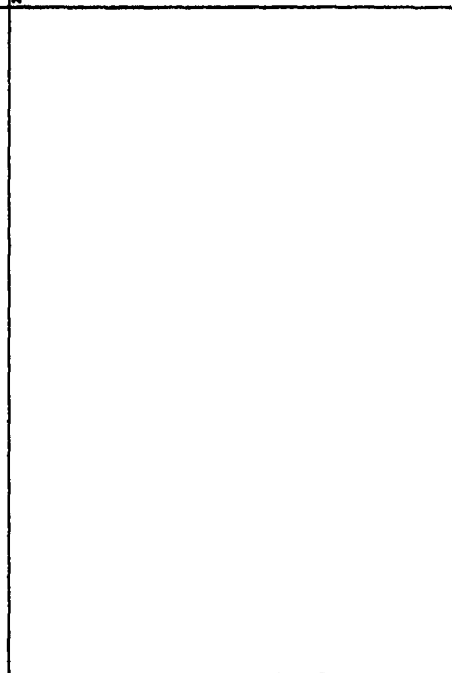
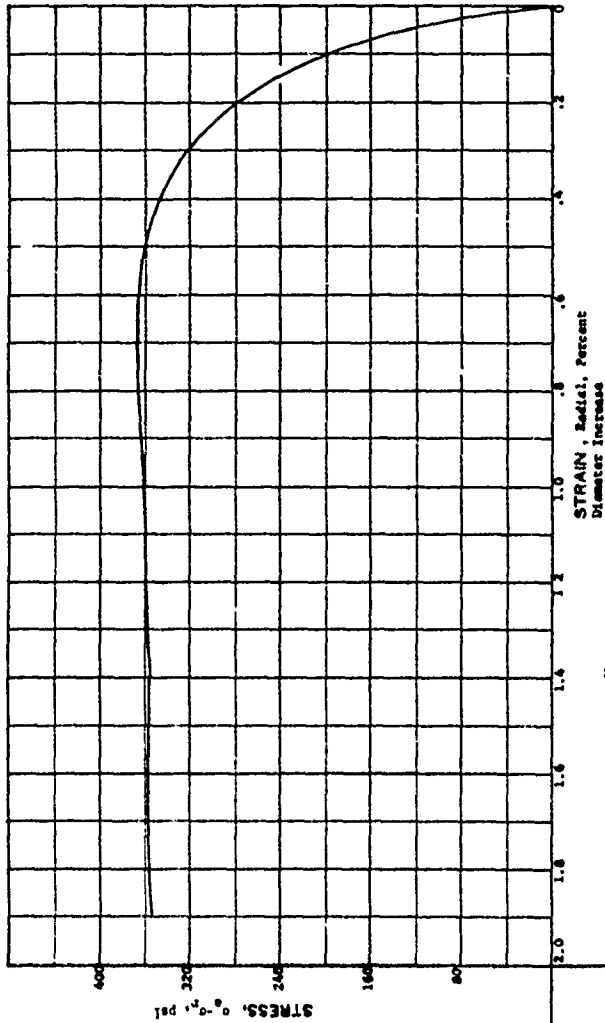
### TRIAxIAL SHEAR PHASE

PROJECT	Ga Tech B-602	
CONTRACT NO.	DMA39-67-C-0031	
AREA		
BORING NO.	SAMPLE NO. 56	
DEPTH	DATE	
EL	PL 15	P1 12
DESCRIPTION	McComick Ranch Sand	

WATER CONTENT	W	10.92	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	80.90	%
DRY DENSITY	$\gamma_d$	122.48	PCF
WET DENSITY	$\gamma$	135.85	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.56	CM



# HYDROSTATIC COMPRESSION PHASE



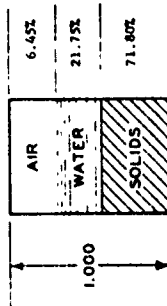
HYDROSTATIC PRESSURE, p, PSI

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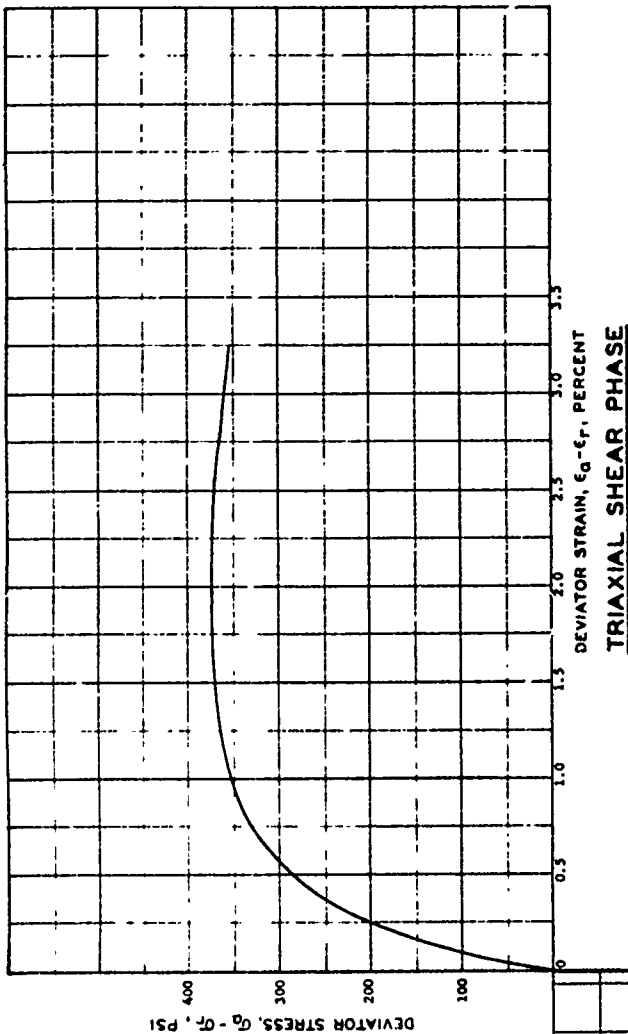
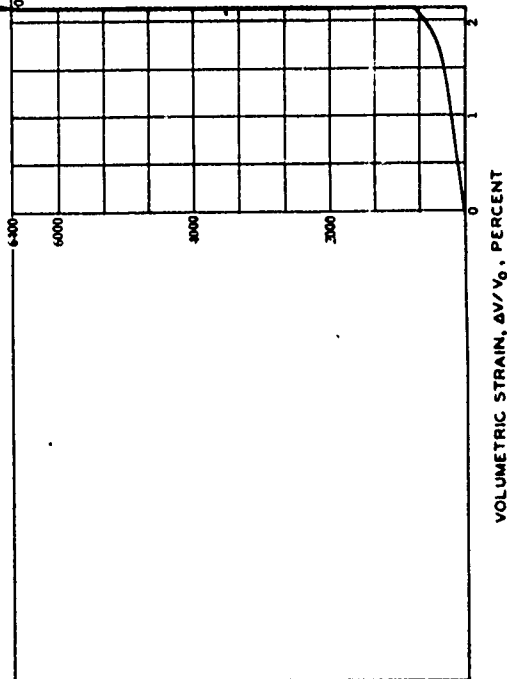
PROJECT		Ga Tech B-602:	
		Contract No. DAC39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO. 36		
DEPTH	DATE		
EL			
LL	27	PL	15
		P1	12
DESCRIPTION			
McComick Mach sand			



WATER CONTENT	W	11.34	%
VOID RATIO	$e_0$	0.39	
SATURATION	$S_0$	77.13	%
DRY DENSITY	$\gamma_d$	119.63	PCF
WET DENSITY	$\gamma$	133.20	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.55	CM
DEFLECTED HEIGHT	$H_0$	7.55	CM



### HYDROSTATIC COMPRESSION PHASE

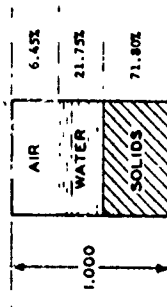


### TRIAXIAL SHEAR PHASE

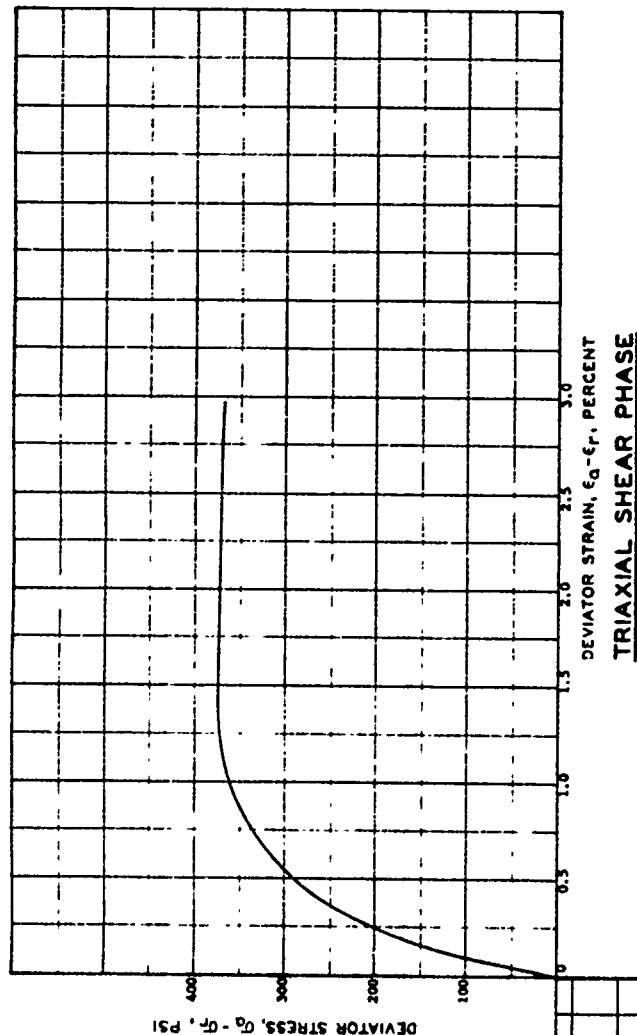
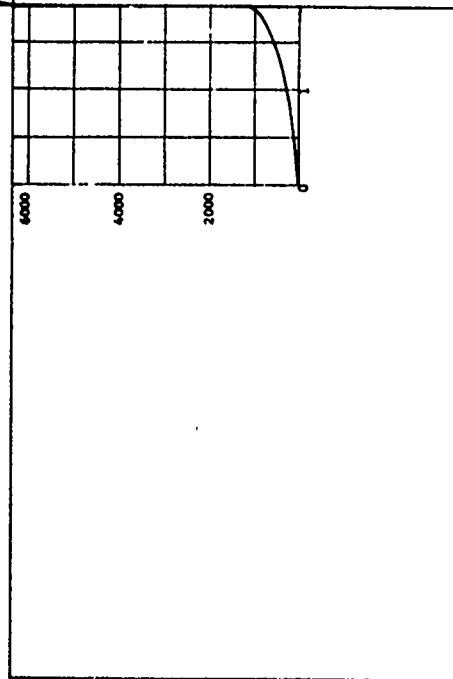
HYDROSTATIC PRESSURE,  $P$ , PSI

PROJECT		Ga Tech B-602.	
Contract No.		DMA39-67-C-0051	
AREA	BORING NO.	SAMPLE NO.	61
DEPTH	DATE	DATE	
EL	PL	PL	12
DESCRIPTION	McConnell Beach Sand		

WATER CONTENT	W	11.34	%
VOID RATIO	$e_0$	0.39	
SATURATION	$S_0$	77.13	%
DRY DENSITY	$\gamma_d$	119.63	PCF
WET DENSITY	$\gamma$	133.20	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.55	CM
SPECIMEN HEIGHT	$H_0$	7.55	CM



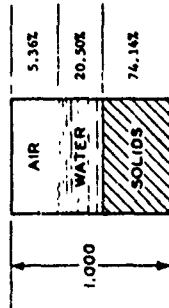
### HYDROSTATIC COMPRESSION PHASE



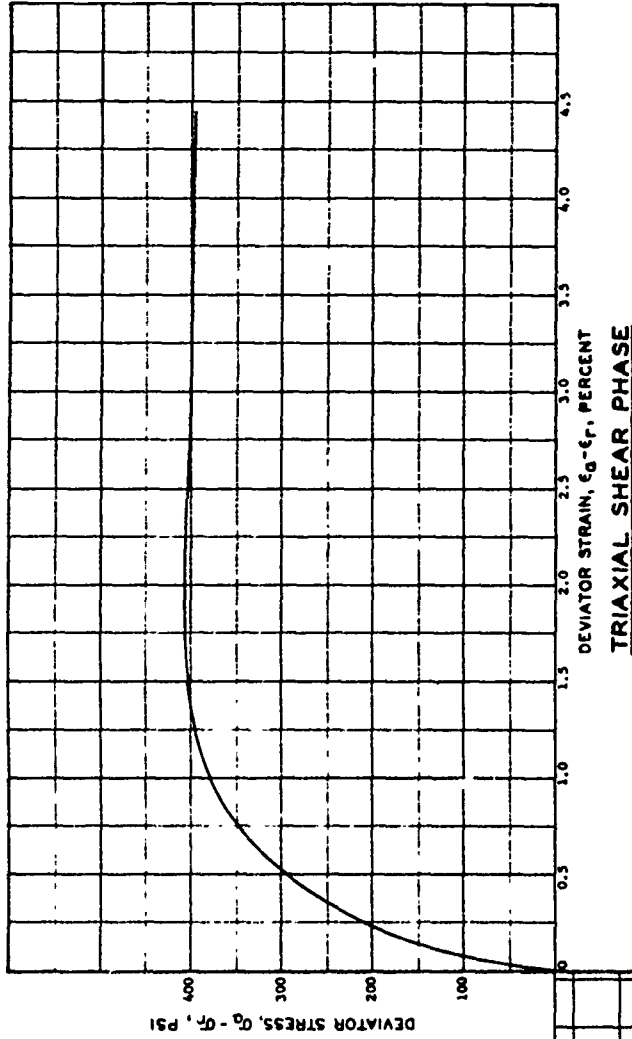
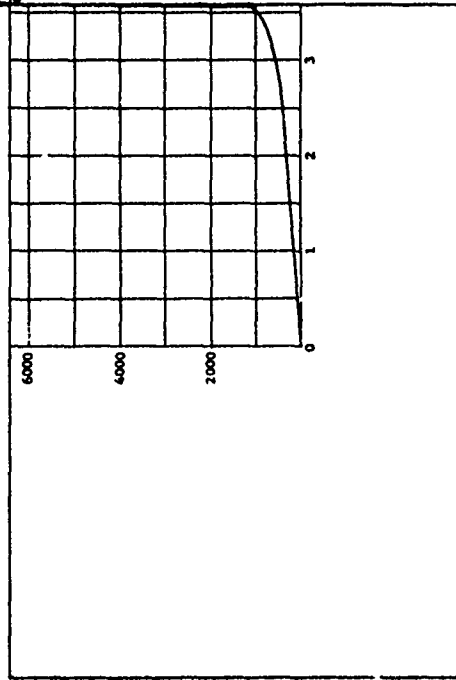
### TRIAxIAL SHEAR PHASE

PROJECT Ga Tech 9-602		Contract No. DAC439-67-C-0031	
AREA		SAMPLE NO. 43	
BORING NO.		DATE	
DEPTH		PL 15	
EL		PI 12	
DESCRIPTION McCormick Ranch Sand			

WATER CONTENT	W	10.35	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	79.28	%
DRY DENSITY	$\gamma_d$	123.53	PCF
WET DENSITY	$\gamma$	136.32	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



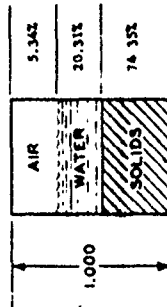
### HYDROSTATIC COMPRESSION PHASE



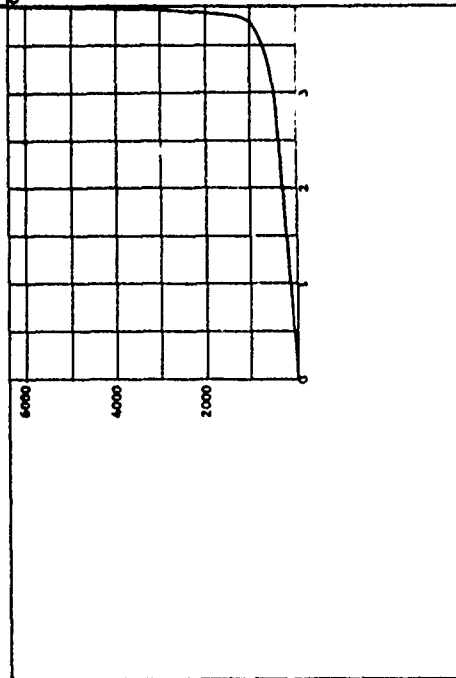
### TRIAxIAL SHEAR PHASE

PROJECT Ga Tech B-602		Contract No. DAC39-67-G-0031	
AREA	BORING NO.	SAMPLE NO.	DATE
	DEPTH		
EL.	PL	PL	PL
LL	27	15	12
DESCRIPTION McComick Branch Sand			

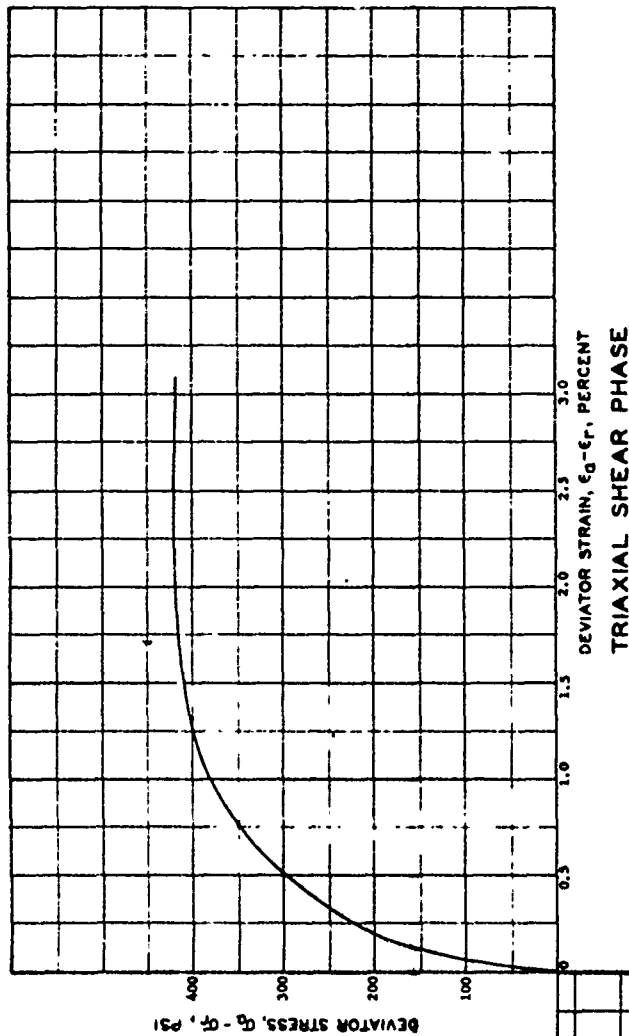
WATER CONTENT	W	10.23	%
VOID RATIO	$e$	0.35	
SATURATION	$S_u$	79.19	%
DRY DENSITY	$\gamma_d$	123.88	PCF
WET DENSITY	$\gamma$	136.56	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$M_0$	7.54	CM



### HYDROSTATIC COMPRESSION PHASE



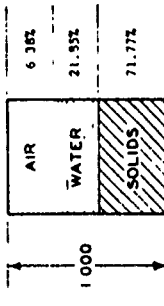
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



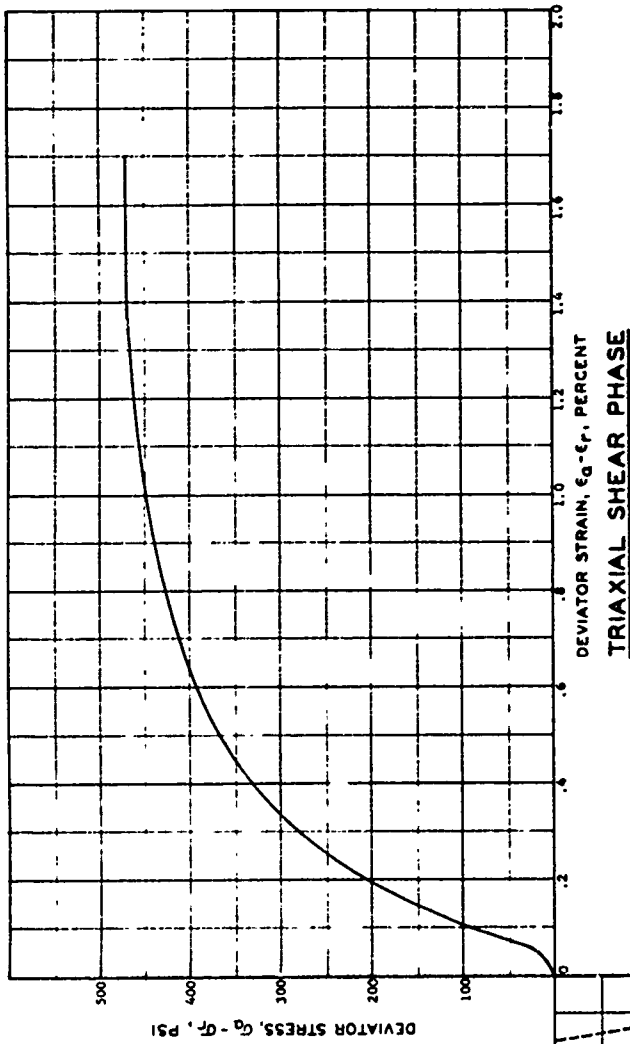
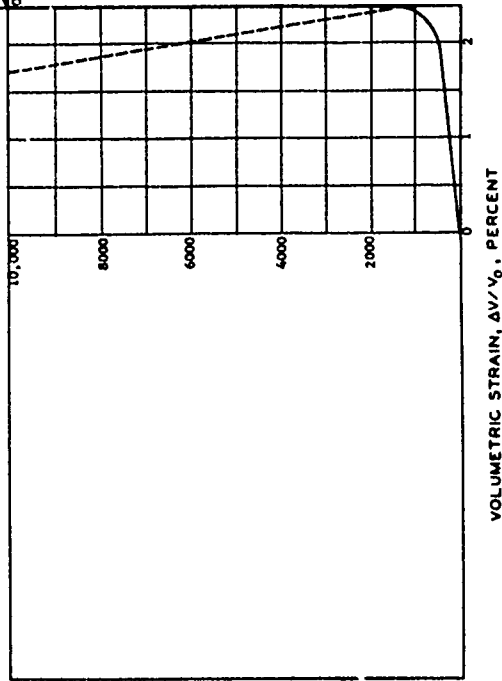
### TRIAXIAL SHEAR PHASE

PROJECT Ga Tech 8-602:	
Contract No. DAC39-47-G-0031	
AREA	SAMPLE NO. 177
BORING NO.	DATE
DEPTH	PL 15
EL.	PI 12
DESCRIPTION McCormick Ranch Sand	

WATER CONTENT	W	11.40	%
VOID RATIO	$e_0$	0.39	
SATURATION	$S_0$	77.40	%
DRY DENSITY	$\gamma_d$	119.57	PCF
WET DENSITY	$\gamma$	133.20	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.55	CM
SPRING HEIGHT	$H_0$	7.55	CM

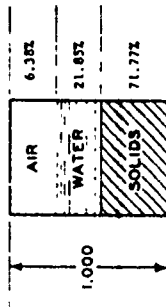


### HYDROSTATIC COMPRESSION PHASE

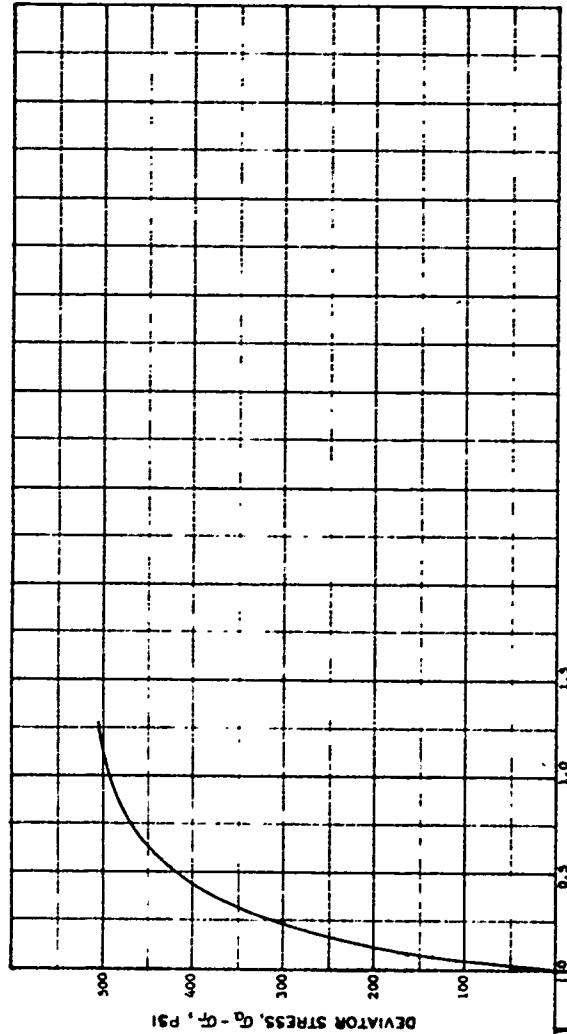
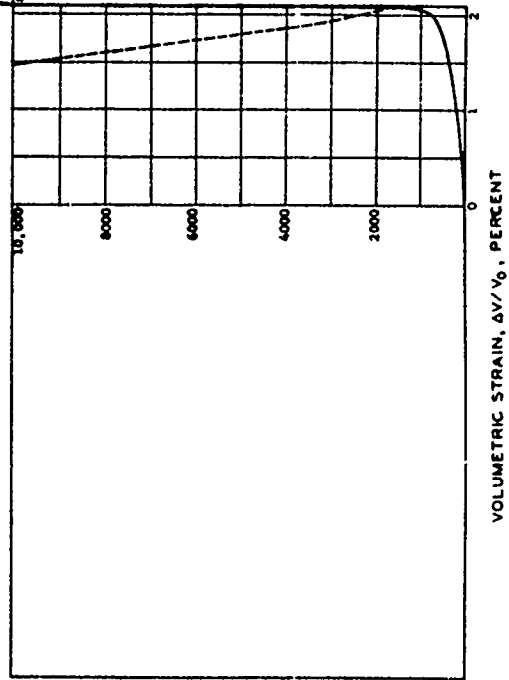


PROJECT		Ga Tech B-602.	
CONTRACT NO.		DAG39-67-C-0031	
AREA	BORING NO.	SAMPLE NO.	38
DEPTH	DATE	PL	13
EL	PL	13	13
DESCRIPTION McCormick Ranch Sand			

WATER CONTENT	W	11.40	%
VOID RATIO	$e_0$	0.39	
SATURATION	$S_0$	77.40	%
DRY DENSITY	$\gamma_d$	119.57	PCF
WET DENSITY	$\gamma$	133.20	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.56	CM
SPECIMEN HEIGHT	$H_0$	7.54	CM



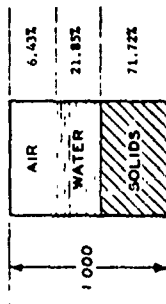
### HYDROSTATIC COMPRESSION PHASE



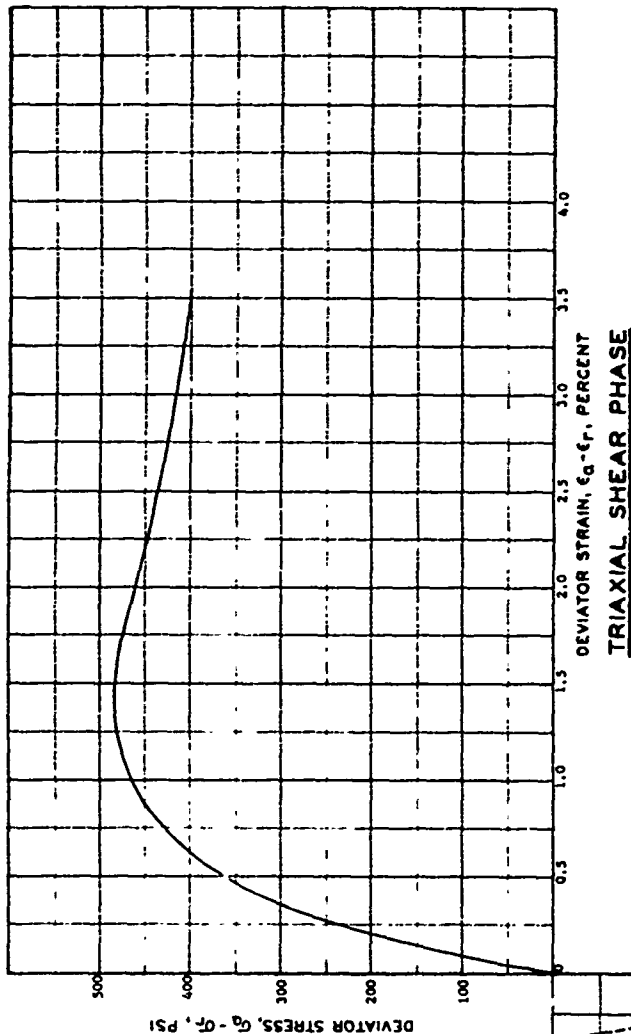
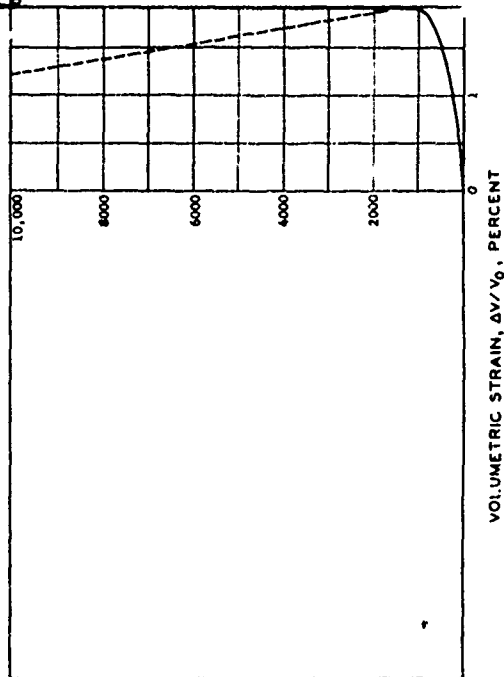
### TRIAxIAL SHEAR PHASE

PROJECT	Ca Tech B-602.
CONTRACT NO.	DCA19-A7-C-0031
AREA	
BORING NO.	SAMPLE NO. 38
DEPTH	DATE
EL.	
LL	27
PL	13
PI	12
DESCRIPTION	McComick Ranch Sand

WATER CONTENT		W	11.41 %
VOID RATIO		$e_0$	0.39
SATURATION		$S_0$	77.26 %
DRY DENSITY		$\gamma_d$	119.48 PCF
WET DENSITY		$\gamma$	131.12 PCF
SPECIFIC GRAVITY		$G_s$	2.67
SPECIMEN DIAMETER		$D_0$	3.57 CM
SPECIMEN HEIGHT		$H_0$	7.50 CM



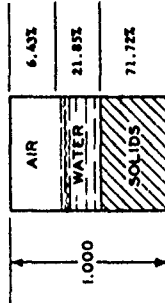
### HYDROSTATIC COMPRESSION PHASE



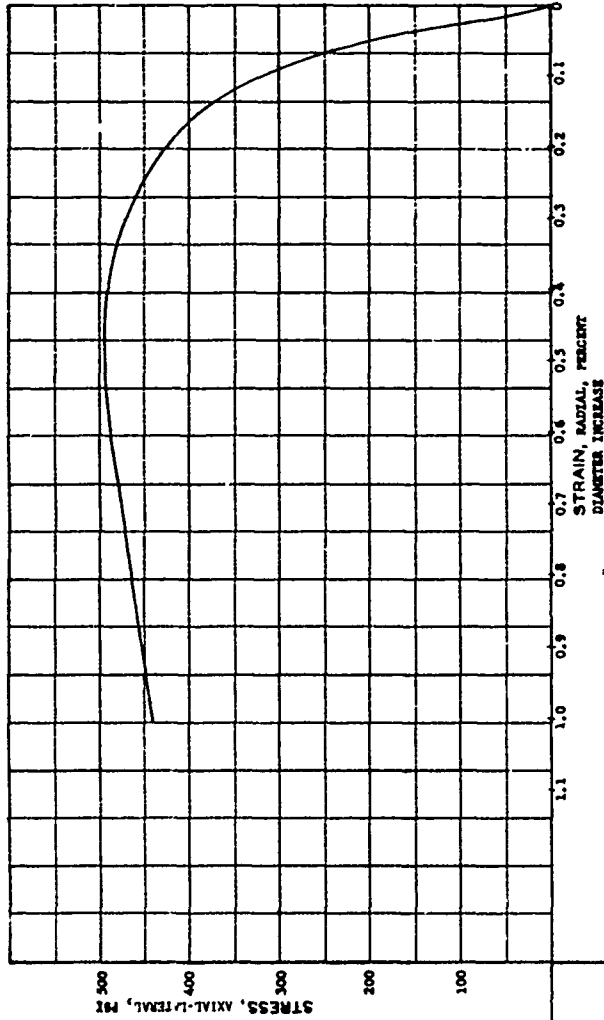
### TRIAxIAL SHEAR PHASE

PROJECT <u>Ca Tech 3-603</u>	
Contract No. <u>DACA39-67-C-0031</u>	
AREA	
BORING NO.	SAMPLE NO. <u>39</u>
DEPTH	DATE
EL	
LL <u>27</u>	PL <u>15</u>
	PI <u>12</u>
DESCRIPTION <u>McCombs North 3884</u>	
Tetradial Test @ 10,000 psi	

WATER CONTENT	W	11.41	%
VOID RATIO	$e_0$	0.39	
SATURATION	$S_0$	77.26	%
DRY DENSITY	$\gamma_d$	119.48	PCF
WET DENSITY	$\gamma$	133.12	PCF
SPECIFIC GRAVITY	$G_s$	2.61	
SPECIMEN DIAMETER	$D_0$	3.57	CM
SPECIMEN HEIGHT	$H_0$	7.50	CM



### HYDROSTATIC COMPRESSION PHASE



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HYDROSTATIC PRESSURE, P, PSI

PROJECT Ga Tech B-602;		Contract No. DCA39-47-C-0031	
AREA		SAMPLE NO. 59	
BORING NO.	DEPTH	DATE	
EL	LL	PL	PI
DESCRIPTION McGuffey, Marsh Sand		12	
Tensile Test @ 10,000 psi			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



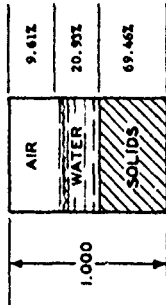
Group B

Triaxial Tests, Cyclic at 35%

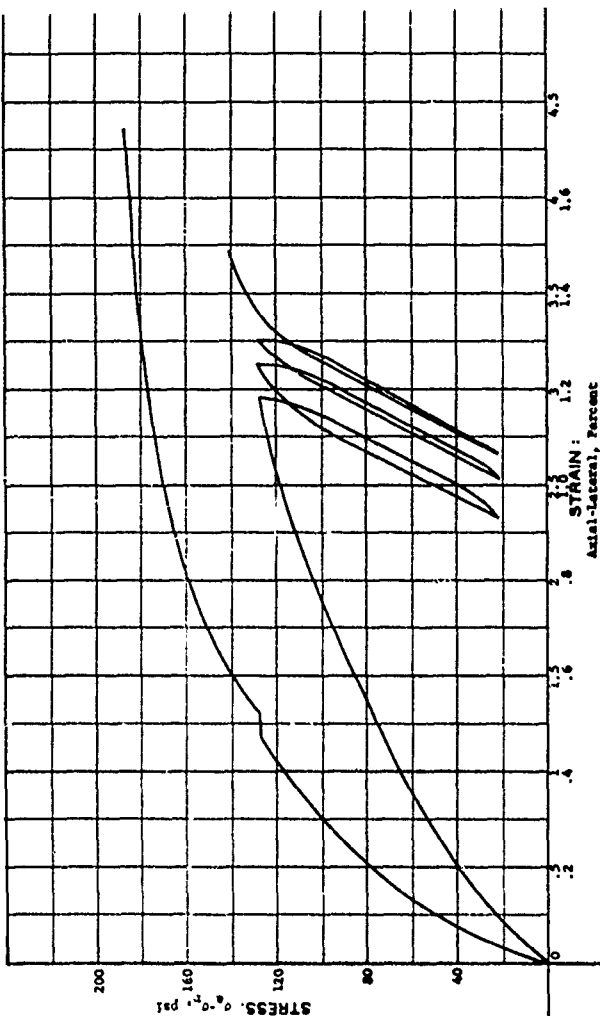
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WATER CONTENT	W	11.28	%
VOID RATIO	$e_0$	0.44	
SATURATION	$S_0$	60.32	%
DRY DENSITY	$\gamma_d$	115.72	PCF
WET DENSITY	$\gamma$	128.78	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.51	CM



HYDROSTATIC COMPRESSION PHASE

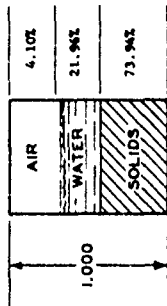


HYDROSTATIC PRESSURE,  $p$ , psi

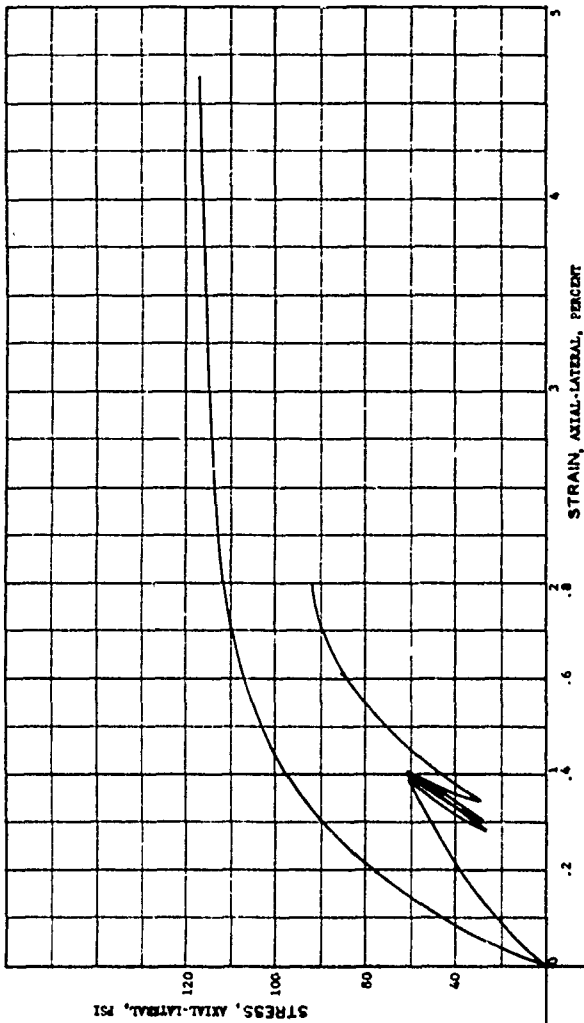
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Ga Tech B-602:			
Contract No. DMC39-67-C-0051			
AREA			
BORING NO.	SAMPLE NO. 108		
DEPTH	DATE		
EL			
LL 27	PL 15	PI 12	
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cycle Shear @ 3%			

WATER CONTENT	W	11.12	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	84.28	%
DRY DENSITY	$\gamma_d$	123.20	PCF
WET DENSITY	$\gamma$	136.90	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.50	CM



### HYDROSTATIC COMPRESSION PHASE

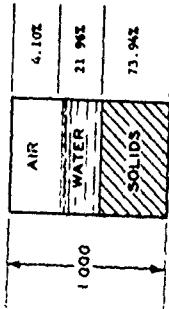


HYDROSTATIC PRESSURE,  $p$ , PSI

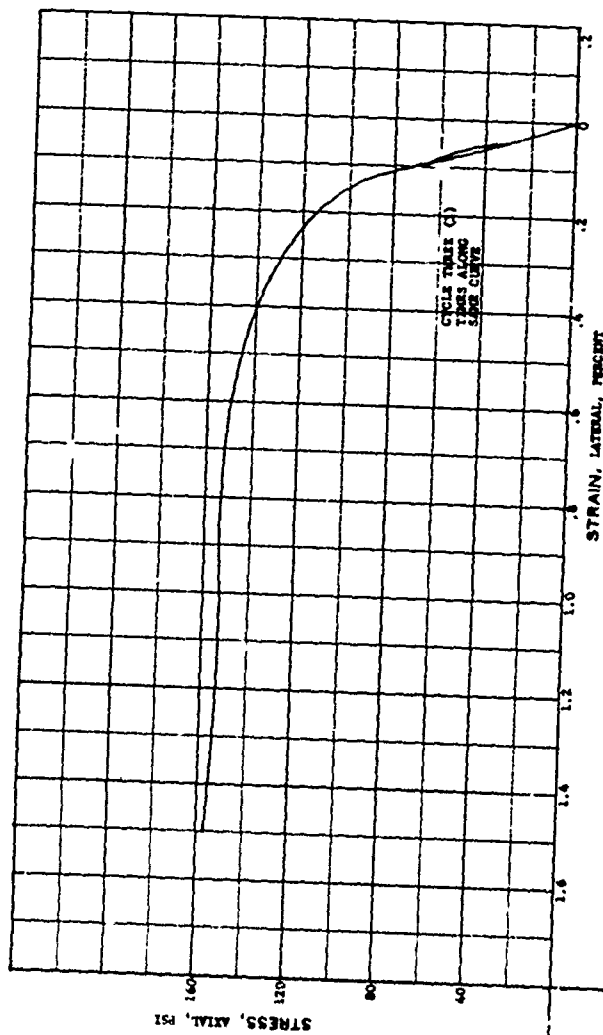
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology B-602			
Contract No. DACW39-67-G-0031			
AREA		SAMPLE NO 112	
BORING NO.	DEPTH	DATE	
EL	LL 27	PL 15	PI 12
DESCRIPTION McCormick Ranch Sand			
Triaxial Cyclic @ 35%			
Lateral Pressure, 100 psi			

WATER CONTENT	W	11.12 %
VOID RATIO	$e_0$	0.35
SATURATION	$S_0$	84.28 %
DRY DENSITY	$\gamma_d$	123.20 PCF
WET DENSITY	$\gamma$	136.90 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.50 CM



### HYDROSTATIC COMPRESSION PHASE

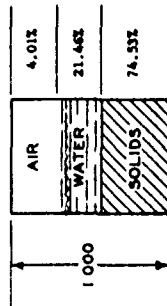


HYDROSTATIC PRESSURE,  $p$ , PSI

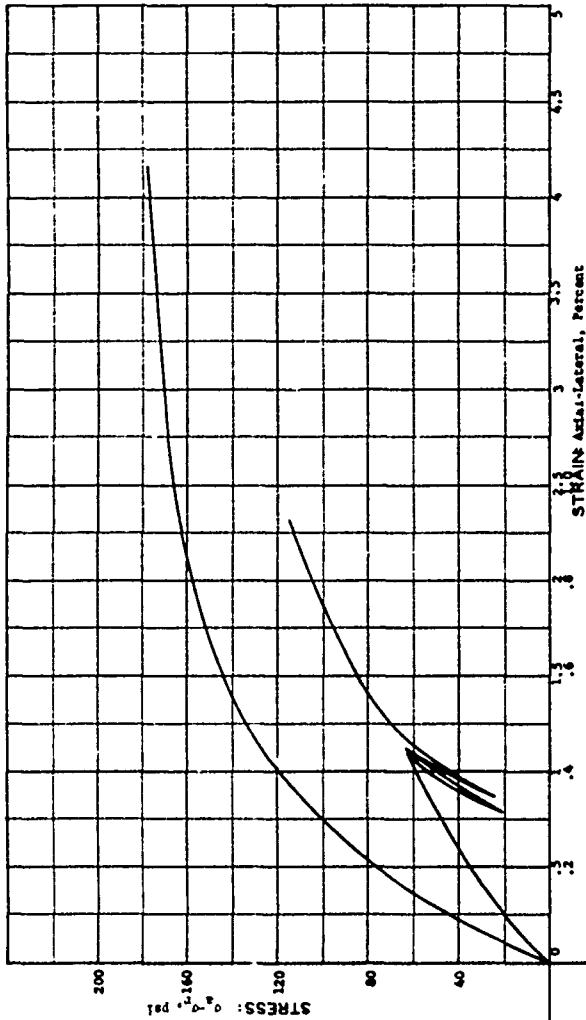
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT <u>Georgia Institute of Technology B-601</u>			
Contract No. <u>DACS-67-C-0051</u>			
AREA			
BORING NO.	SAMPLE NO. <u>112</u>		
DEPTH	DATE		
EL	PL	15	P1 12
DESCRIPTION <u>McConnell Ranch Sand</u>			
<u>Triaxial Cyclic Q 352</u>			
Lateral Pressure, 100 psi			

WATER CONTENT	W	10.78	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	84.25	%
DRY DENSITY	$\gamma_d$	124.18	PCF
WET DENSITY	$\gamma$	137.57	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.52	CM
SPECIMEN HEIGHT	$H_0$	7.48	CM



### HYDROSTATIC COMPRESSION PHASE



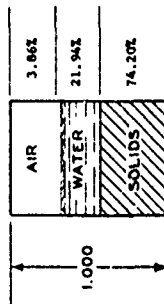
56

HYDROSTATIC PRESSURE, p, PSI

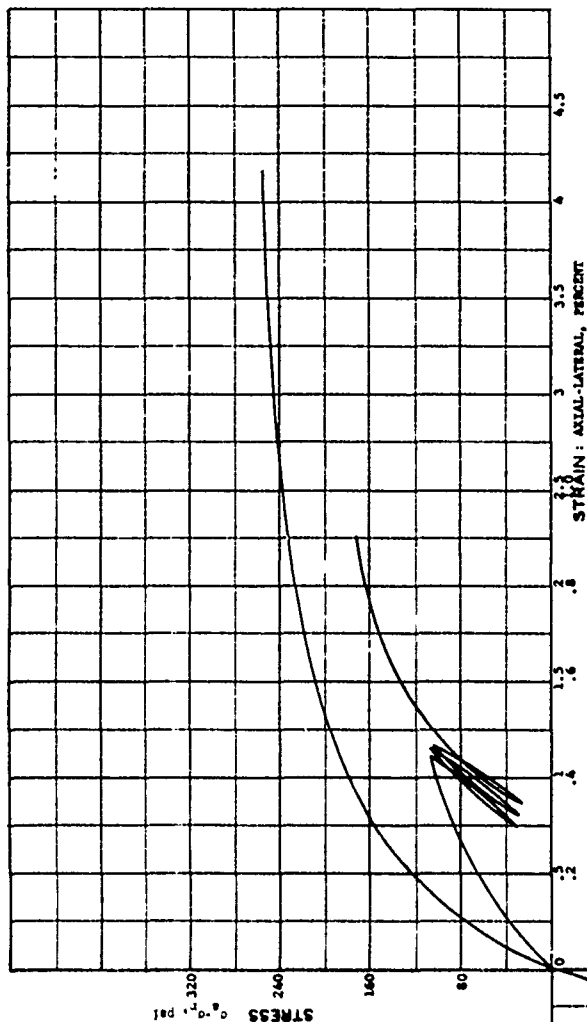
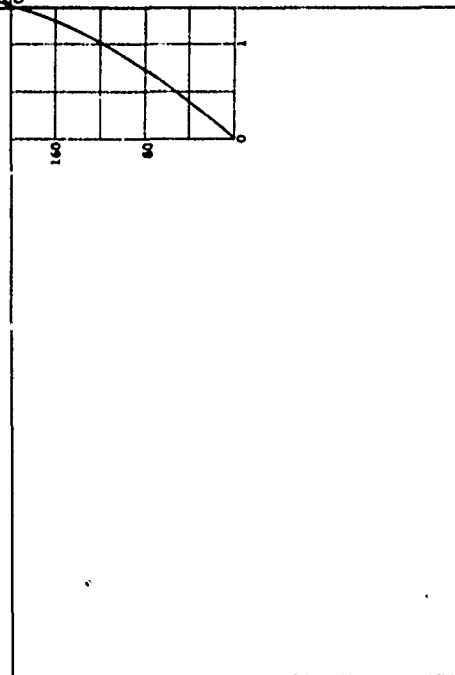
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology B-602			
Contract No. BMCA39-47-C-0031			
AREA			
BORING NO.	SAMPLE NO. 115		
DEPTH	DATE		
EL	PL	15	PI 12
DESCRIPTION McCormick Ranch Sand			
Triaxial-Compression Shear @ 35%			

WATER CONTENT	W	11.07	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	85.03	%
DRY DENSITY	$\gamma_d$	123.62	PCF
WET DENSITY	$\gamma$	137.31	PCF
GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.50	CM

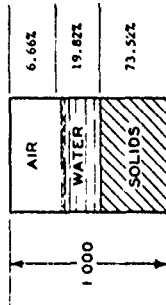


# HYDROSTATIC COMPRESSION PHASE

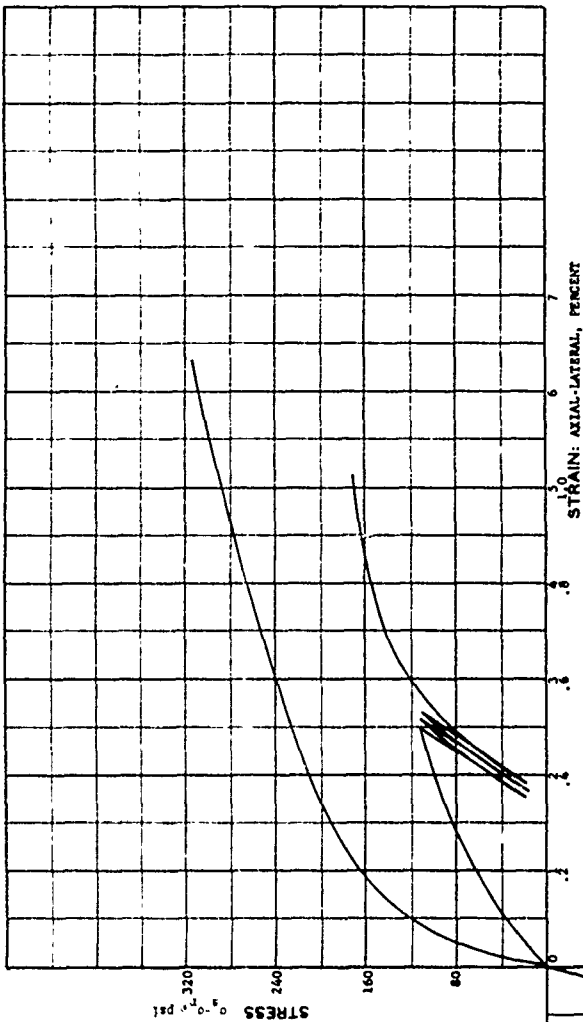
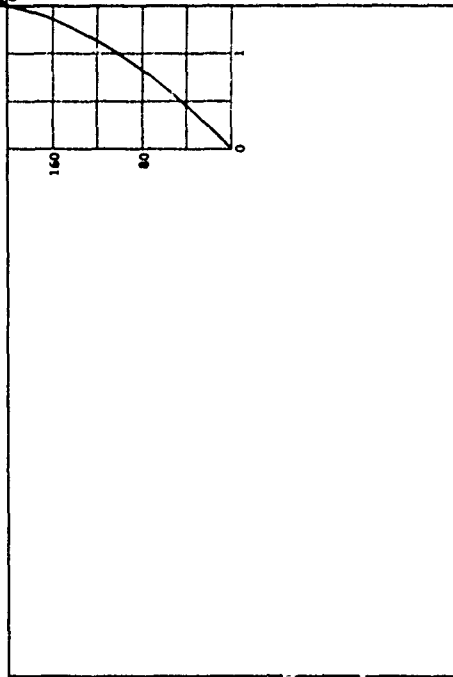


PROJECT Georgia Institute of Technology B-602			
Contract No. DMCJ39-67-G-0051			
AREA			
BORING NO.	SAMPLE NO. 114		
DEPTH	DATE		
LL 27	PL 15	PI 12	
DESCRIPTION McGowan Ranch Sand			
Triaxial-Cycle Shear @ 35%			

WATER CONTENT	W	10.10	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	74.85	%
DRY DENSITY	$\gamma_d$	122.49	PCF
WET DENSITY	$\gamma$	134.86	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



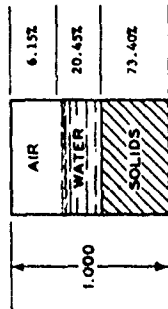
# HYDROSTATIC COMPRESSION PHASE



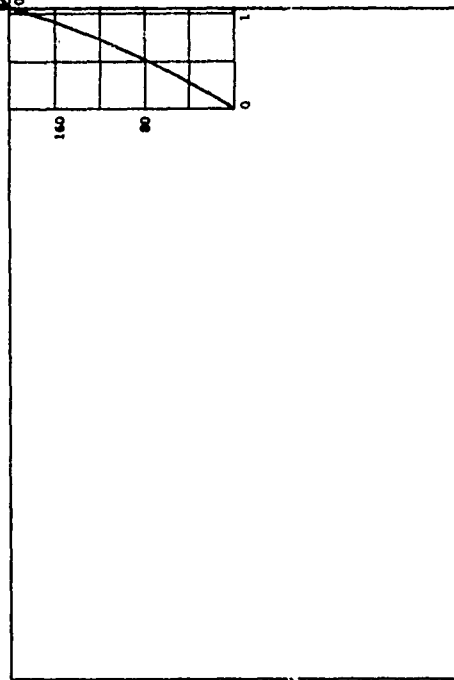
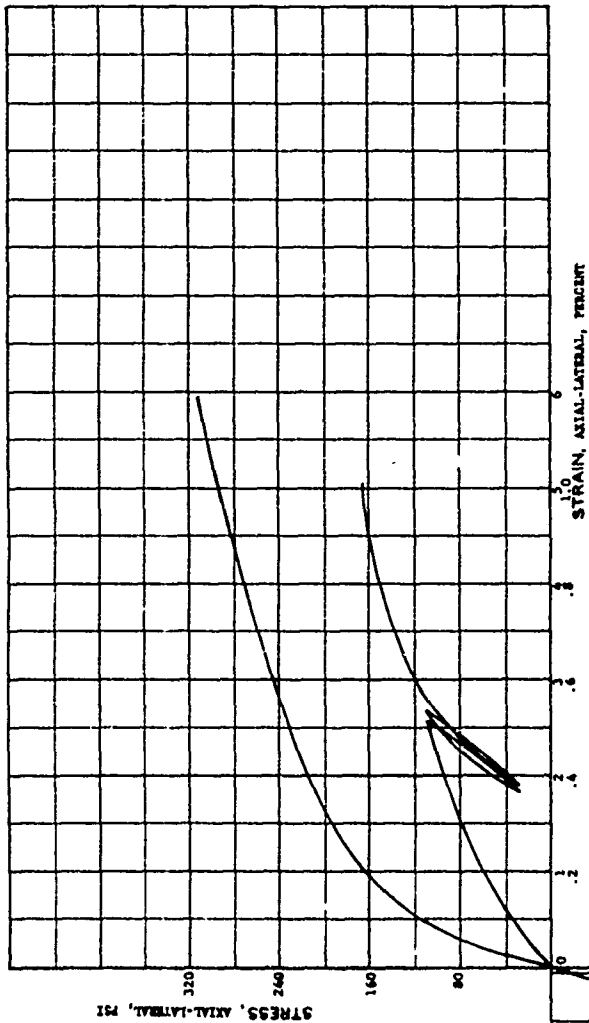
HYDROSTATIC PRESSURE, P, PSI

PROJECT Georgia Institute of Technology B-602			
Contract No. DMC39-67-C-0031			
AREA		SAMPLE NO. 132	
BORING NO.	DEPTH	DATE	
LL 27	PL 15	PI 12	
DESCRIPTION McCormick Beach Sand			
Triaxial-Cycle Shear @ 35Z			

WATER CONTENT	W	10.44 %
VOID RATIO	$e_0$	0.36
SATURATION	$S_0$	76.89 %
DRY DENSITY	$\gamma_d$	122.28 PCF
WET DENSITY	$\gamma$	135.05 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.65 CM



### HYDROSTATIC COMPRESSION PHASE

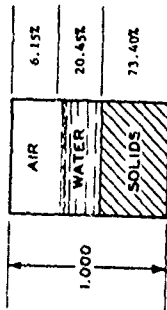


HYDROSTATIC PRESSURE, P, PSI

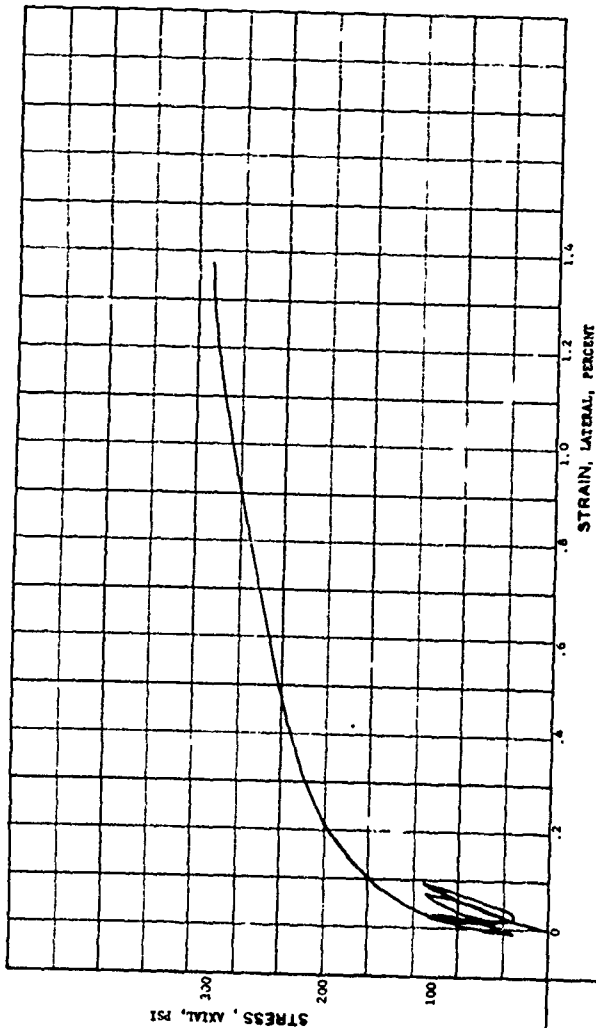
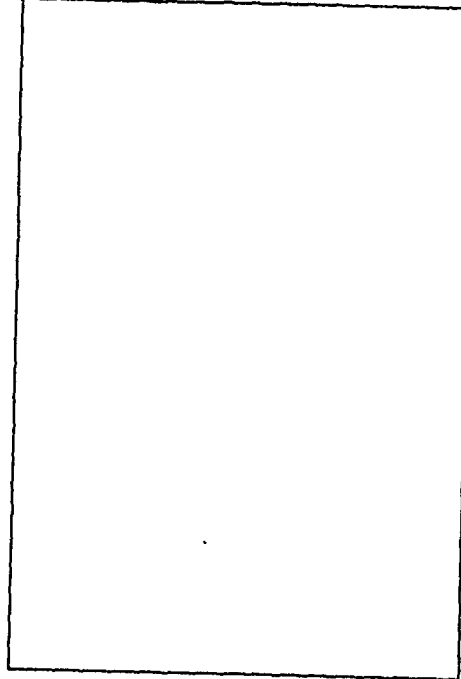
PROJECT Georgia Institute of Technology B-402			
Contract No. DAC39 67 5 0021			
AREA		SAMPLE NO. 137	
BORING NO.		DEPTH	
EL		DATE	
LL 27	PL 15	PI 12	
DESCRIPTION McClellan Ranch Road			
Triaxial Cyclic @ 15%			
Lateral Pressure, 200 psi			



WATER CONTENT	W	10.44	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	76.89	%
DRY DENSITY	$\gamma_d$	122.28	PCF
WET DENSITY	$\gamma$	135.0*	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	- 50	CM
SPECIMEN HEIGHT	$H_0$	7.65	CM

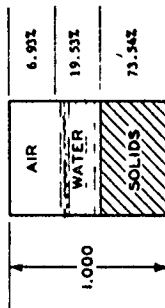


### HYDROSTATIC COMPRESSION PHASE

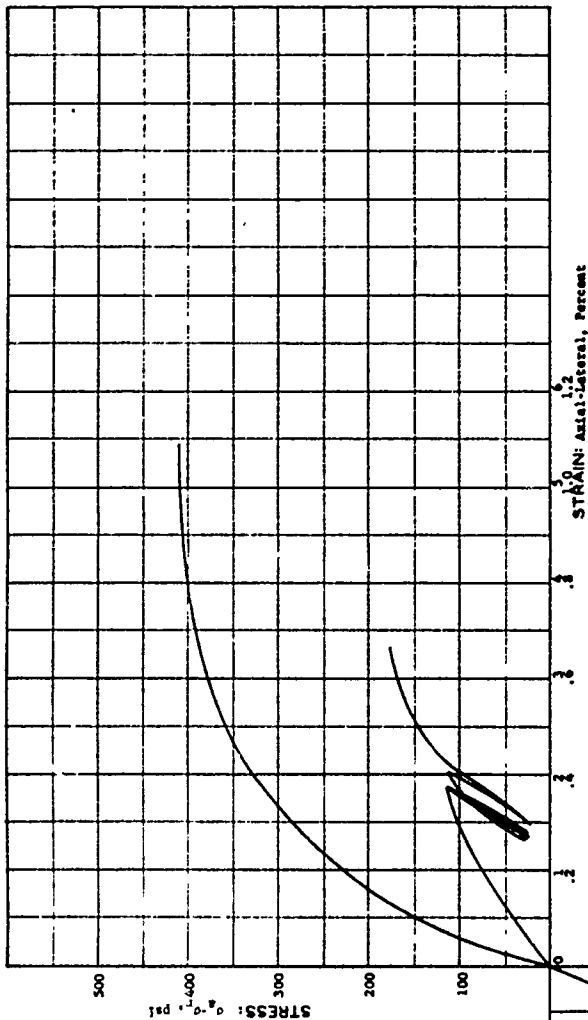
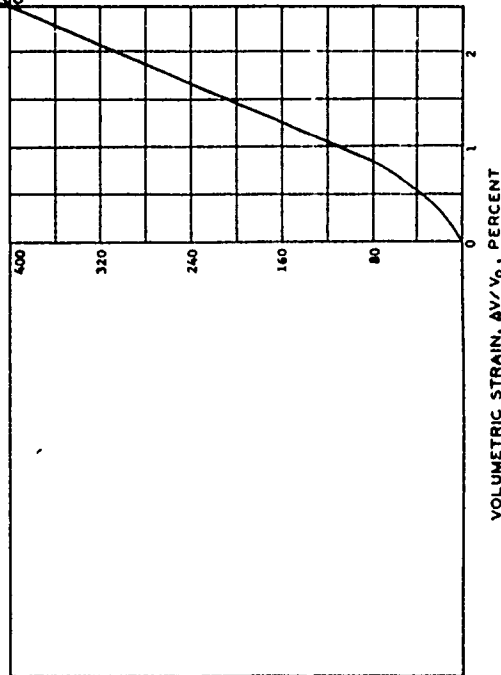


PROJECT Georgia Institute of Technology 8-602			
Contract No. DMCJ9-67-C-0031			
AREA			
BORING NO.	SAMPLE NO. 137		
DEPTH	DATE		
EL	PL 15	P1 12	
DESCRIPTION McCormick Ranch Sand			
Triaxial Cyclic # 355			
Lateral Pressure, 200 psi			

WATER CONTENT	W	9.94	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	73.80	%
DRY DENSITY	$\gamma_d$	122.53	PCF
WET DENSITY	$\gamma$	136.71	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.64	CM

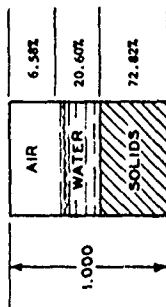


### HYDROSTATIC COMPRESSION PHASE

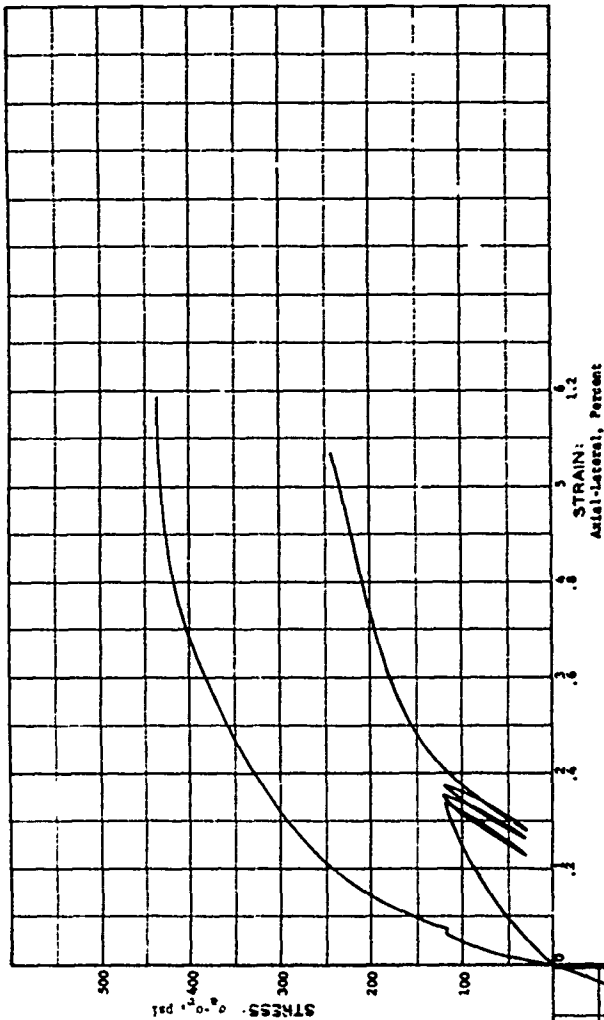
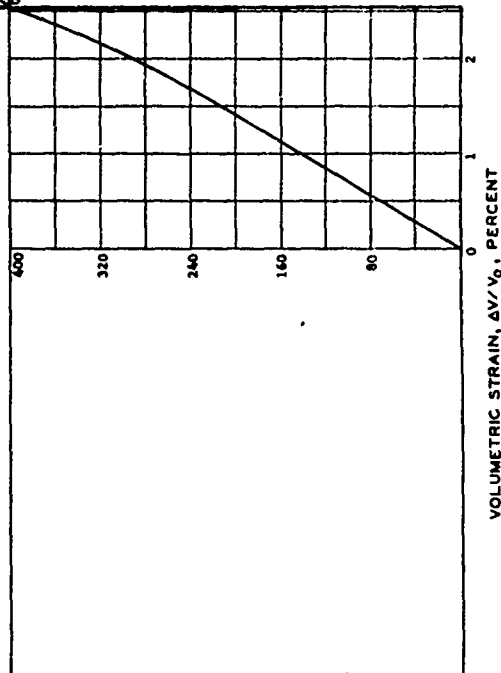


PROJECT <u>Ce Tech 3-602</u>		Contract No. <u>DACA39-67-C-0051</u>	
AREA		SAMPLE NO. <u>133</u>	
BORING NO.	DEPTH	DATE	
LL	27	PL	15
		P1	12
DESCRIPTION <u>McComick Ranch Sand</u>			
<u>Triaxial Cycle Sheet 9 358</u>			

WATER CONTENT	W	10.59	%
VOID RATIO	$e_0$	0.37	
SATURATION	$S_0$	75.80	%
DRY DENSITY	$\gamma_d$	121.33	PCF
WET DENSITY	$\gamma$	134.18	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.64	CM



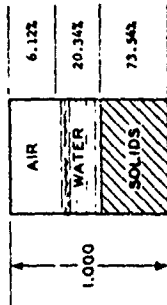
### HYDROSTATIC COMPRESSION PHASE



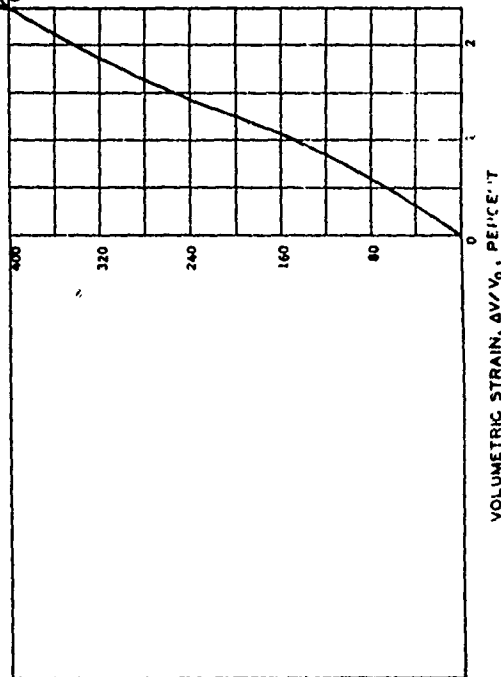
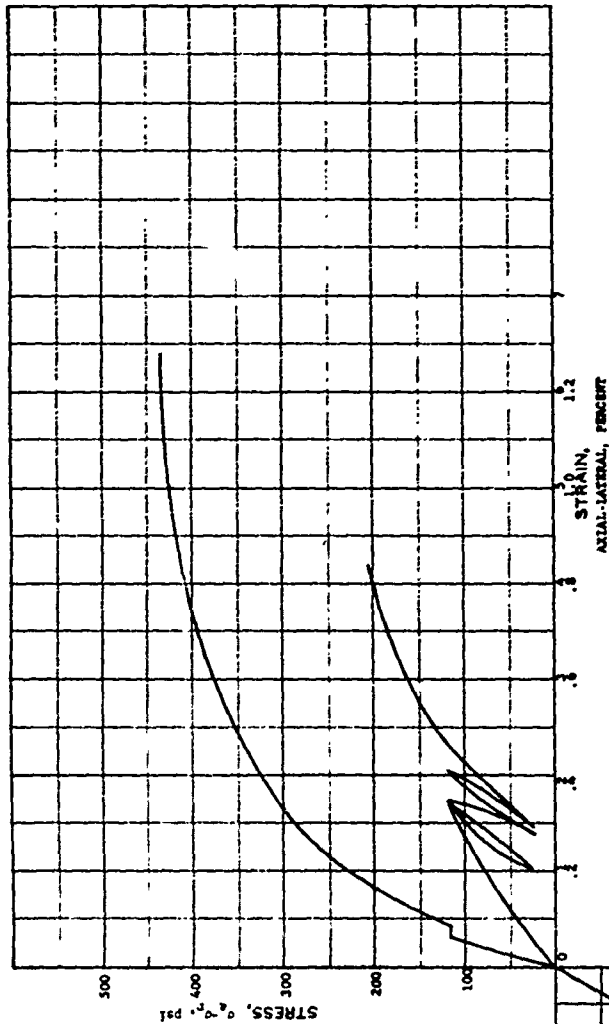
HYDROSTATIC PRESSURE,  $P$ , PSI

PROJECT		Ca Tech B-602:	
		Contract No. DACW39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	136	
DEPTH	DATE		
EL	PL	13	PL 12
DESCRIPTION			
McGormack Ranch Sand			
Triaxial-Cycle Shear @ 13%			

WATER CONTENT	W	10.36 %
VOID RATIO	$e_0$	0.36
SATURATION	$S_0$	76.88 %
DRY DENSITY	$\gamma_d$	122.53 PCF
WET DENSITY	$\gamma$	135.22 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.64 CM

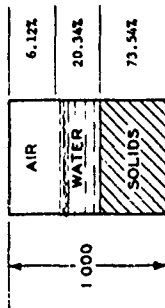


### HYDROSTATIC COMPRESSION PHASE

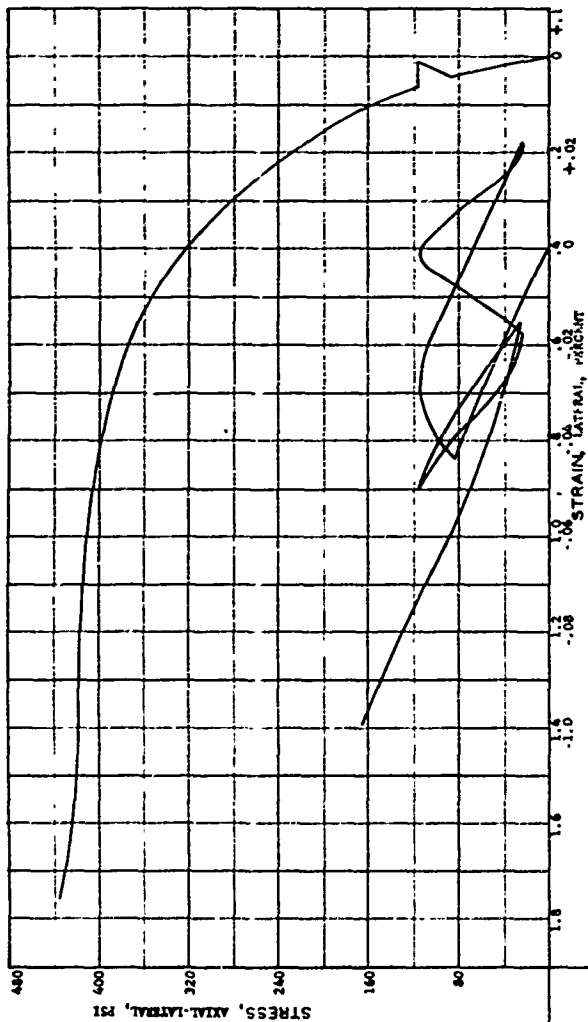


PROJECT 04 TMD 11-0021		CONTRACT NO. DCA39-07-C-0031	
AREA	BORING NO.	SAMPLE NO. 137A	DATE
DEPTH	PL 27	PL 13	PL 12
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cycle Sheet 0.238			

WATER CONTENT	W	10.36 %
VOID RATIO	$e_0$	0.36
SATURATION	$S_0$	76.88 %
DRY DENSITY	$\gamma_d$	122.53 PCF
WET DENSITY	$\gamma$	135.22 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.64 CM



### HYDROSTATIC COMPRESSION PHASE

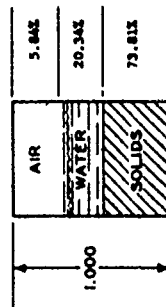


HYDROSTATIC PRESSURE, P, PSI

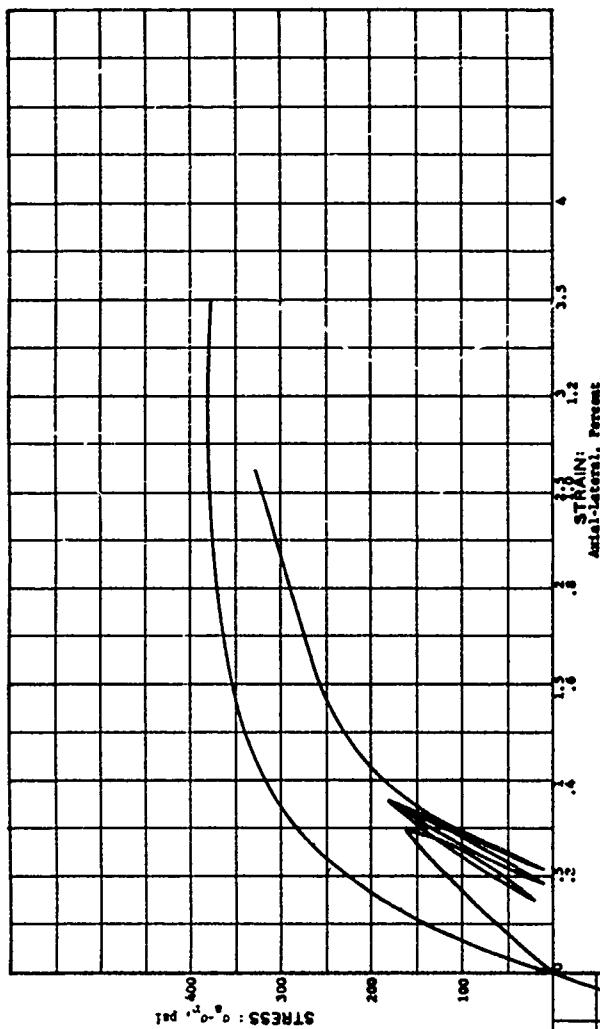
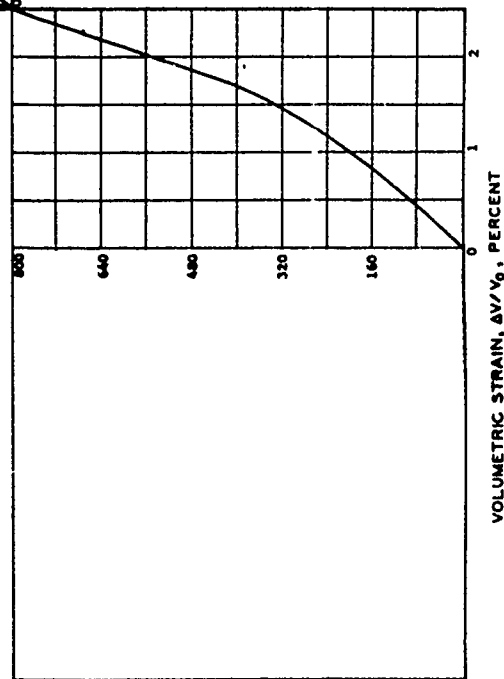
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Ga Tech 8-602:			
Contract No. DAC39-67-0-0031			
AREA			
BORING NO.	SAMPLE NO. 137A		
DEPTH	DATE		
EL	PL	IS	P1 12
DESCRIPTION McCOMBEN RAUPH SAND			
Triaxial-Cycle Shear 0.35%			

WATER CONTENT	W	10.33 %
VOID RATIO	$e_0$	0.35
SATURATION	$S_0$	77.88 %
DRY DENSITY	$\gamma_d$	122.97 PCF
WET DENSITY	$\gamma$	135.47 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.53 CM
SPECIMEN HEIGHT	$H_0$	7.43 CM

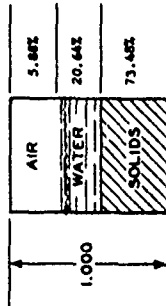


### HYDROSTATIC COMPRESSION PHASE

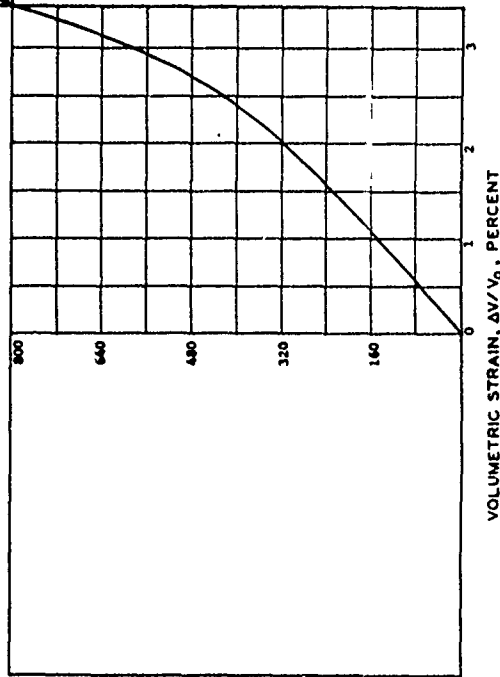
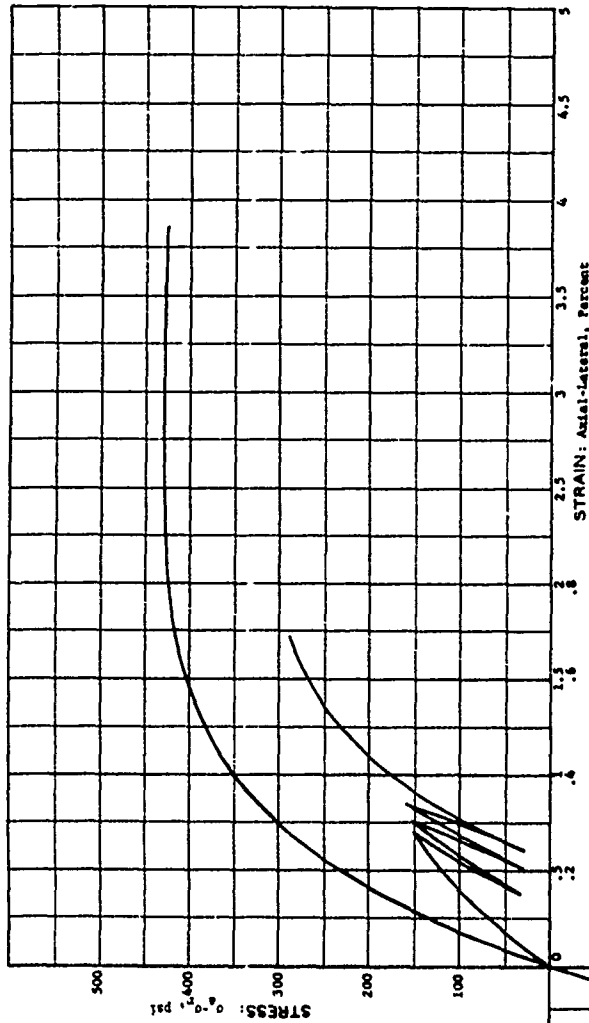


PROJECT Georgia Institute of Technology B-602			
CONTRACT No. DMC33-47-G-0031			
AREA		SAMPLE NO. 130	
BORING NO.	DEPTH	DATE	
LL 27	PL 15	P1	12
DESCRIPTION McCornick Beach Sand			
Triaxial-Cycle Shear @ 33%			

WATER CONTENT	W	10.52	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	77.82	%
DRY DENSITY	$\gamma_d$	122.43	PCF
WET DENSITY	$\gamma$	135.31	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.65	CM



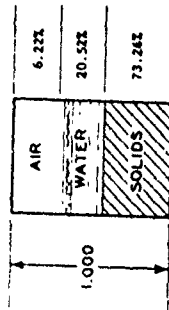
# HYDROSTATIC COMPRESSION PHASE



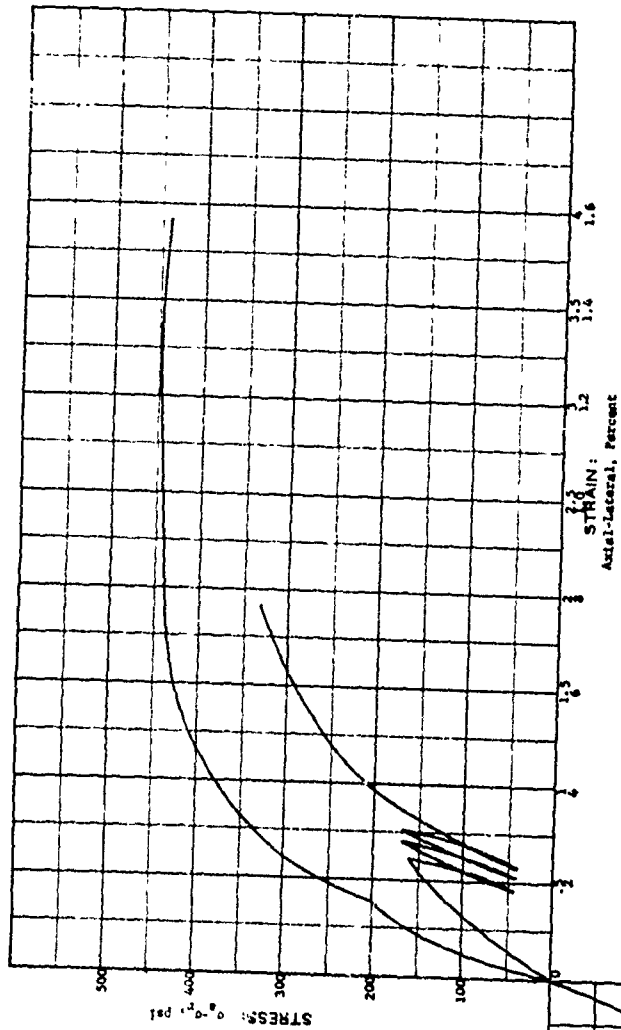
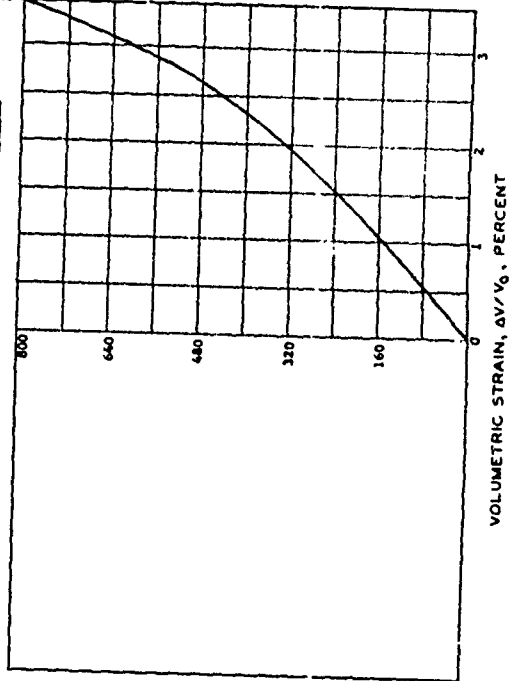
HYDROSTATIC PRESSURE,  $p$ , PSI

PROJECT Georgia Institute of Technology 8-602			
Contract No. DMOA9-67-C-0051			
AREA			
BORING NO.	SAMPLE NO 134		
DEPTH	DATE		
EL	PL 15	P1	12
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cycle Shear @ 35%			

WATER CONTENT	W	10.49	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	76.73	%
DRY DENSITY	$\gamma_d$	122.06	PCF
WET DENSITY	$\gamma$	134.86	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



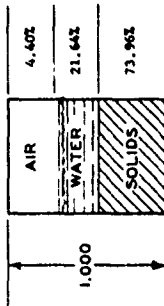
### HYDROSTATIC COMPRESSION PHASE



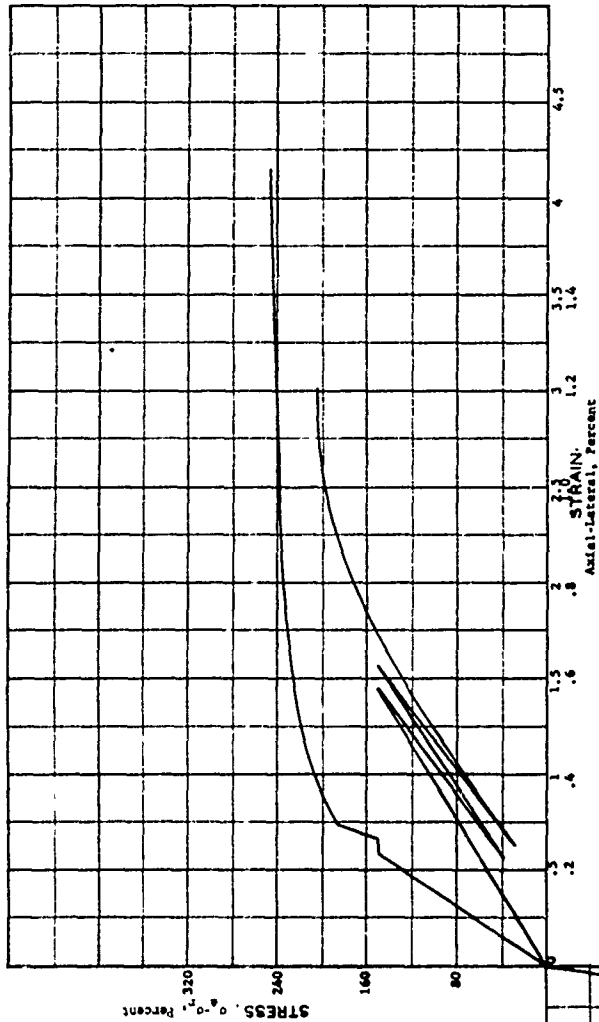
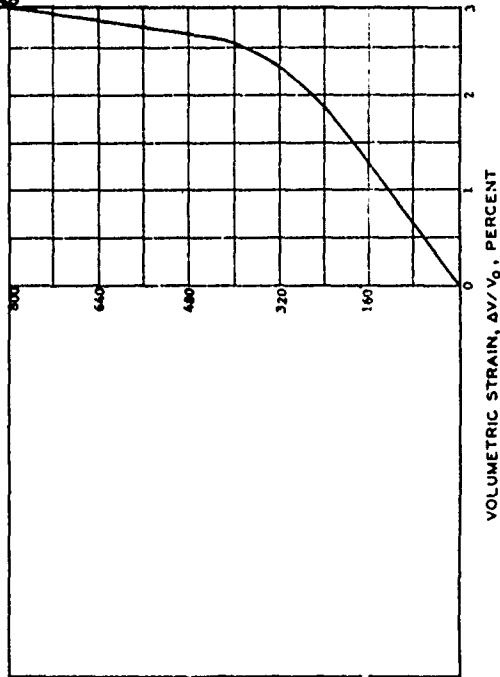
PROJECT Ca Tech B-602.	
Contract No. DMA39-67-C-0051	
AREA	
BORING NO.	SAMPLE NO. 135
DEPTH	DATE
EL	
LL 27	PL 15
	P1 12
DESCRIPTION McCormick Ranch Sand	
Triaxial-Cyclic Shear @ 35%	



WATER CONTENT	W	10.96	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	83.10	%
DRY DENSITY	$\gamma_d$	123.23	PCF
WET DENSITY	$\gamma$	136.73	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.52	CM



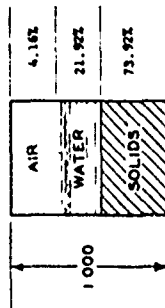
### HYDROSTATIC COMPRESSION PHASE



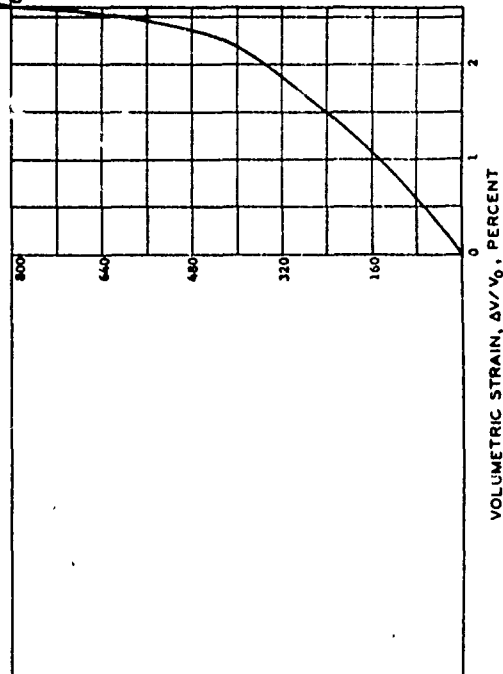
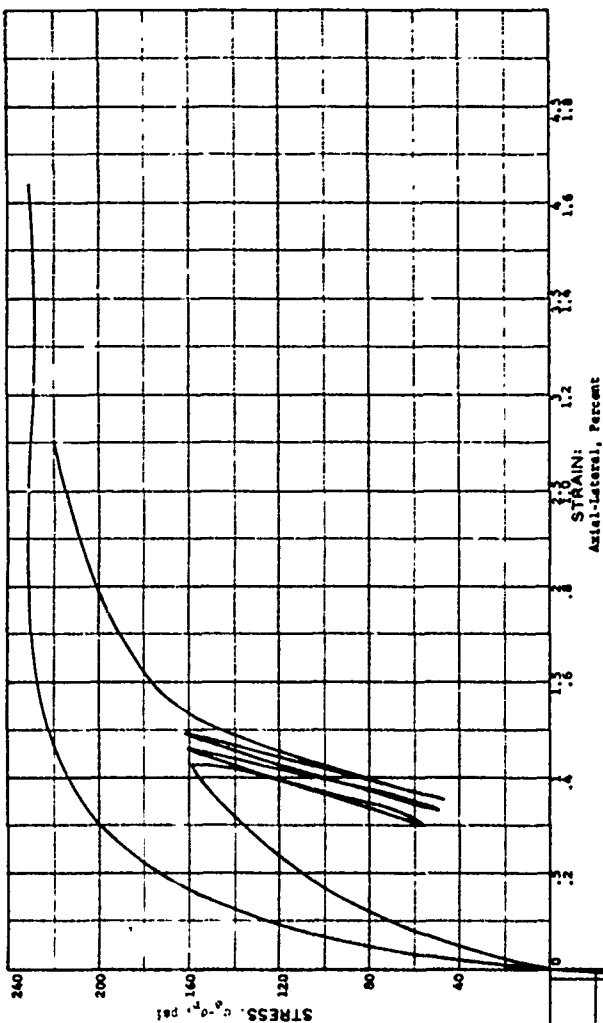
HYDROSTATIC PRESSURE, P, PSI

PROJECT Georgia Institute of Technology 3-602			
Contract No. DACA39-67-C-0031			
AREA			
BORING NO.	SAMPLE NO. 138		
DEPTH	DATE		
EL	PL 15	PI 12	
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cyclic Shear @ 33%			

WATER CONTENT	W	10.11	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	84.04	%
DRY DENSITY	$\gamma_d$	123.15	PCF
WET DENSITY	$\gamma$	136.83	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM

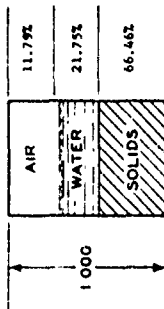


# HYDROSTATIC COMPRESSION PHASE

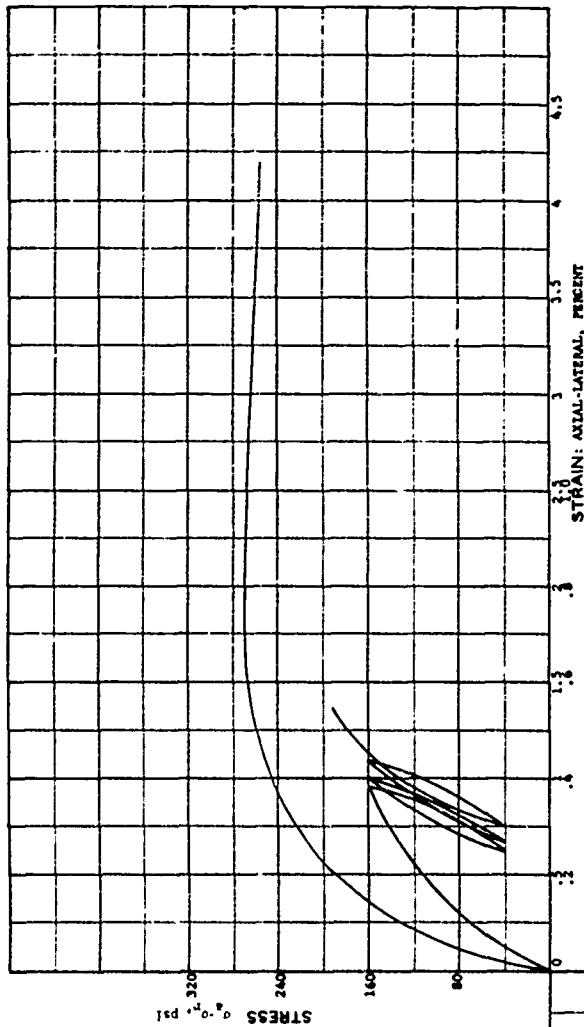
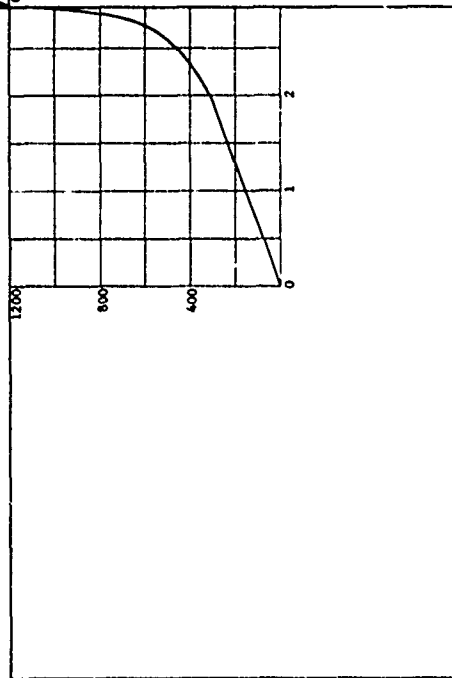


PROJECT		Ga Tech B-609	
Contract No.		DMCA39-67-C-0031	
AREA	BORING NO.	SAMPLE NO.	139
DEPTH	DATE	PL	15
LL	27	PL	12
DESCRIPTION		McCormick Ranch Sand	
		Triaxial-Cycle Shear @ 35%	

WATER CONTENT	W	12.26 %
VOID RATIO	$e_0$	0.50
SATURATION	$S_0$	64.85 %
DRY DENSITY	$\gamma_d$	110.73 PCF
WET DENSITY	$\gamma$	124.30 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.55 CM



### HYDROSTATIC COMPRESSION PHASE

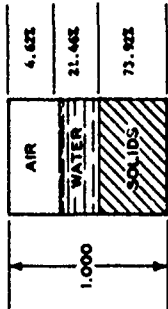


HYDROSTATIC PRESSURE, P, PSI

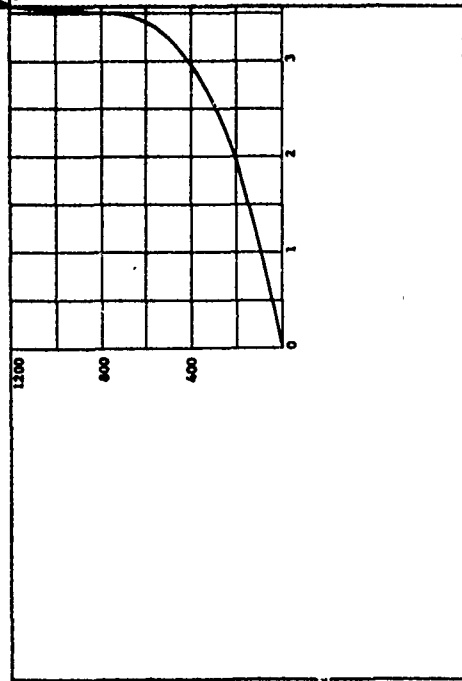
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology B-602			
Contract No. DMC-67-6-0031			
AREA		SAMPLE NO. 142	
BORING NO.		DATE	
DEPTH		PL	PI
EL		15	12
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cycle Shear @ 15%			

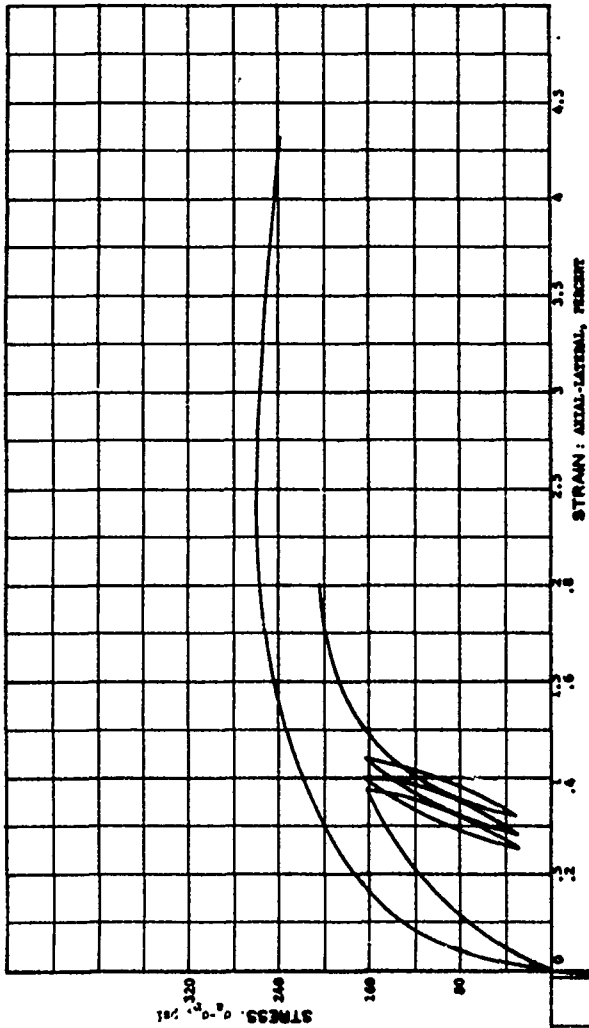
WATER CONTENT	W	10.87 %
VOID RATIO	$e_0$	0.35
SATURATION	$S_0$	82.29 %
DRY DENSITY	$\gamma_d$	123.16 PCF
WET DENSITY	$\gamma$	136.33 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	2.40 CM
SPECIMEN HEIGHT	$H_0$	7.54 CM



### HYDROSTATIC COMPRESSION PHASE



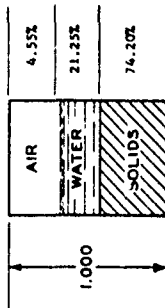
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



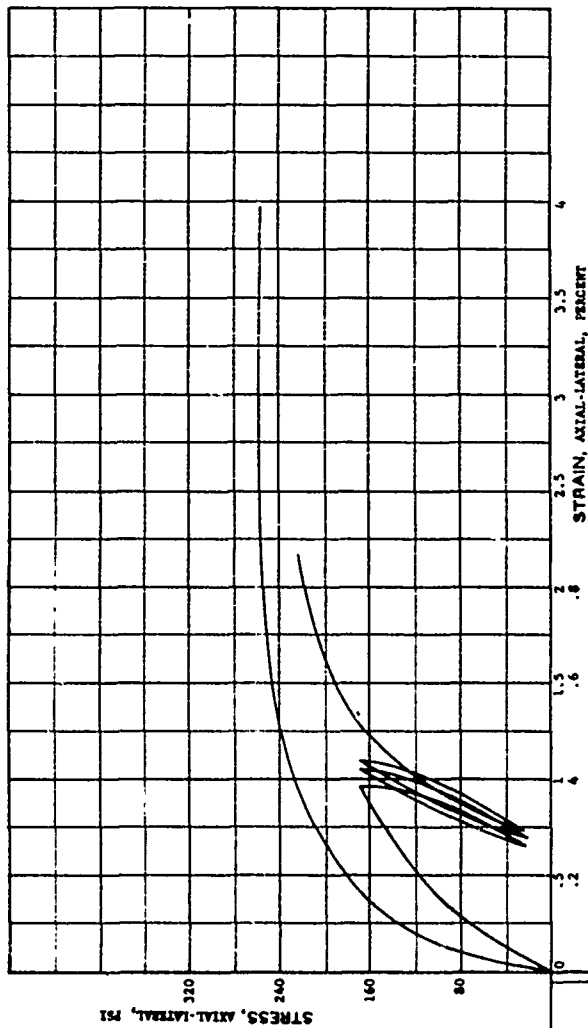
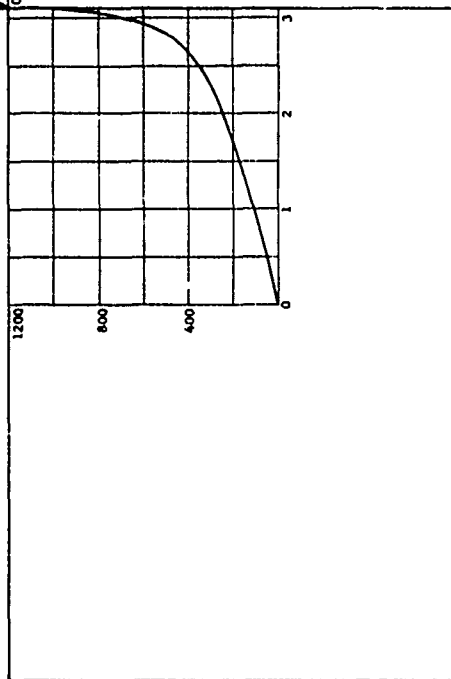
STRAIN: AXIAL-LATERAL, PERCENT

PROJECT Georgia Institute of Technology B-602			
Contract No. DAC39-67-C-0031			
AREA		SAMPLE NO. 143	
BORING NO.	DEPTH	DATE	
LL 27	PL 13	PL 13	13
DESCRIPTION McDermick Beach Sand			
Triaxial-Style Sheet 0.357			

WATER CONTENT	W	10.72 %
VOID RATIO	$e_0$	0.3
SATURATION	$S_r$	82.35 %
DRY DENSITY	$\gamma_d$	123.62 PCF
WET DENSITY	$\gamma$	136.88 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.53 CM

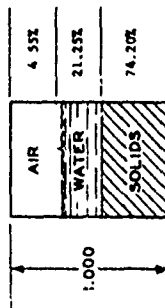


### HYDROSTATIC COMPRESSION PHASE

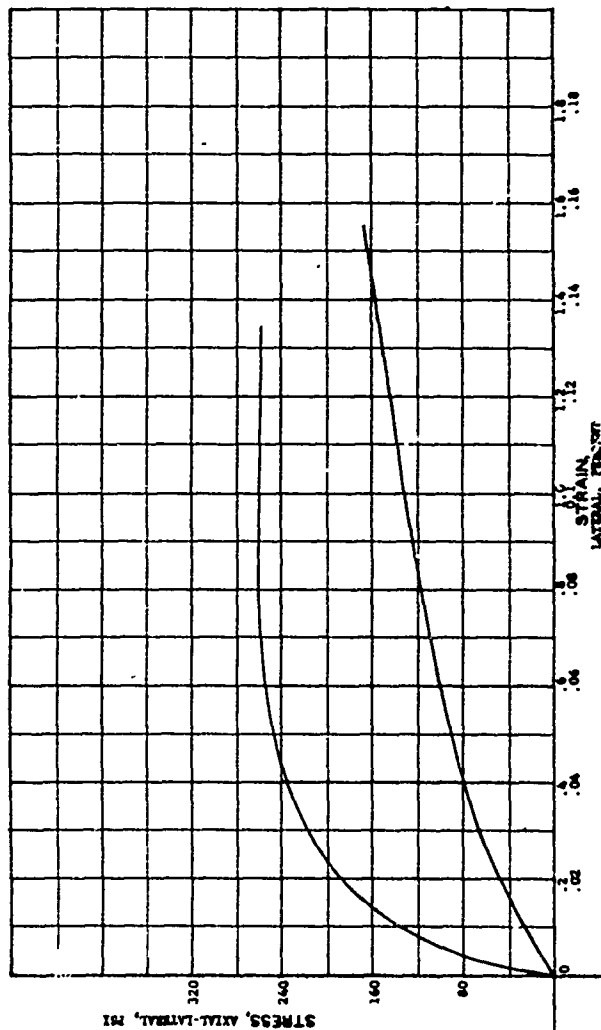


PROJECT Georgia Institute of Technology, B-502	
Contract No. DMCJ39-47-G-0031	
AREA	
BORING NO.	SAMPLE NO. 149
DEPTH	DATE
EL	
LL 27	PL 15
PL 12	
DESCRIPTION McCormick Ranch Sand	
Triaxial Cyclic @ 35%	
Lateral Pressure, 1200 psi	

WATER CONTENT	W	10.72	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	82.35	%
DRY DENSITY	$\gamma_d$	123.62	PCF
WET DENSITY	$\gamma$	136.88	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.30	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



# HYDROSTATIC COMPRESSION PHASE

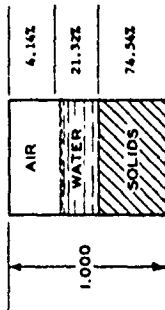


HYDROSTATIC PRESSURE, P, PSI

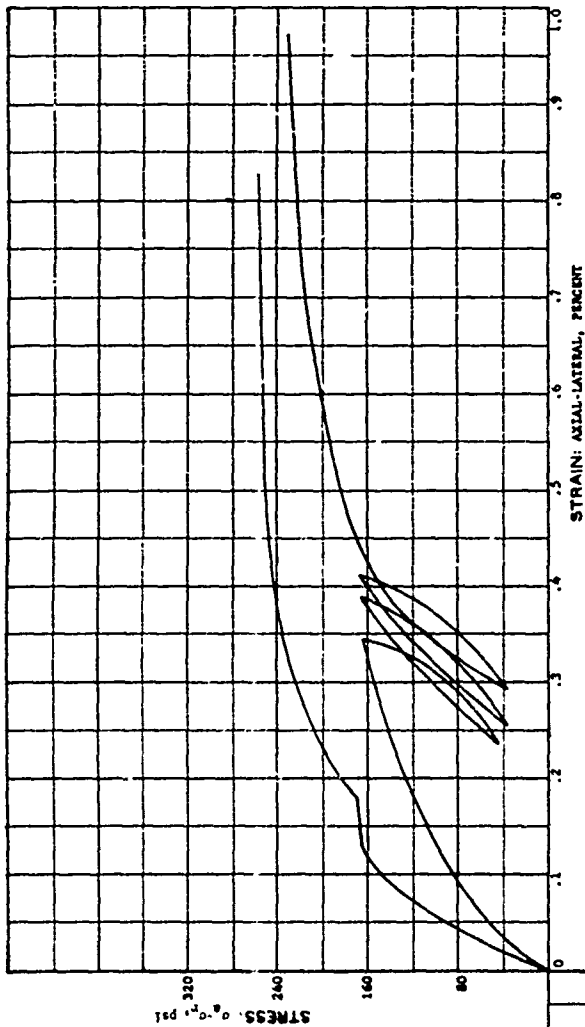
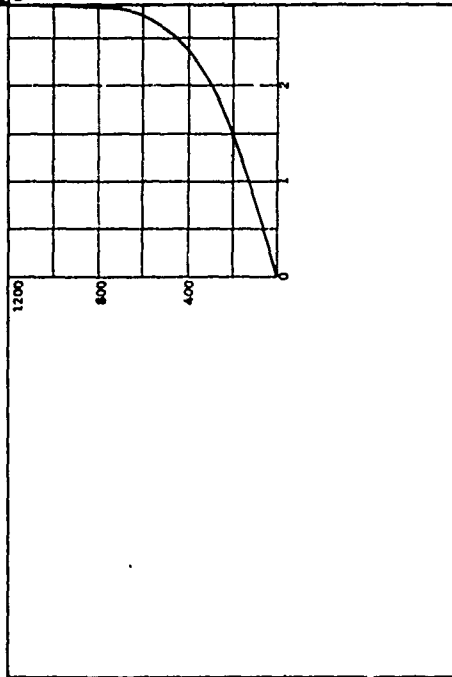
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology E-602			
Contract No. DMAS39-67-C-0031			
AREA		SAMPLE NO. 149	
BORING NO.	DEPTH	DATE	
LL 27	PL 15	PI 12	
DESCRIPTION McCormick Ranch Sand			
Triaxial Cyclic @ 33%			
Lateral Pressure, 1200 psi			

WATER CONTENT	W	10.71	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	83.75	%
DRY DENSITY	$\gamma_d$	124.19	PCF
WET DENSITY	$\gamma$	137.50	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.54	CM



### HYDROSTATIC COMPRESSION PHASE



HYDROSTATIC PRESSURE,  $p$ , PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology B-602

Contract No. DMC39-67-C-0031

AREA

BORING NO.

SAMPLE NO. 130

DEPTH

DATE

EL

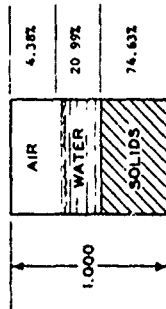
PL 15

PI 12

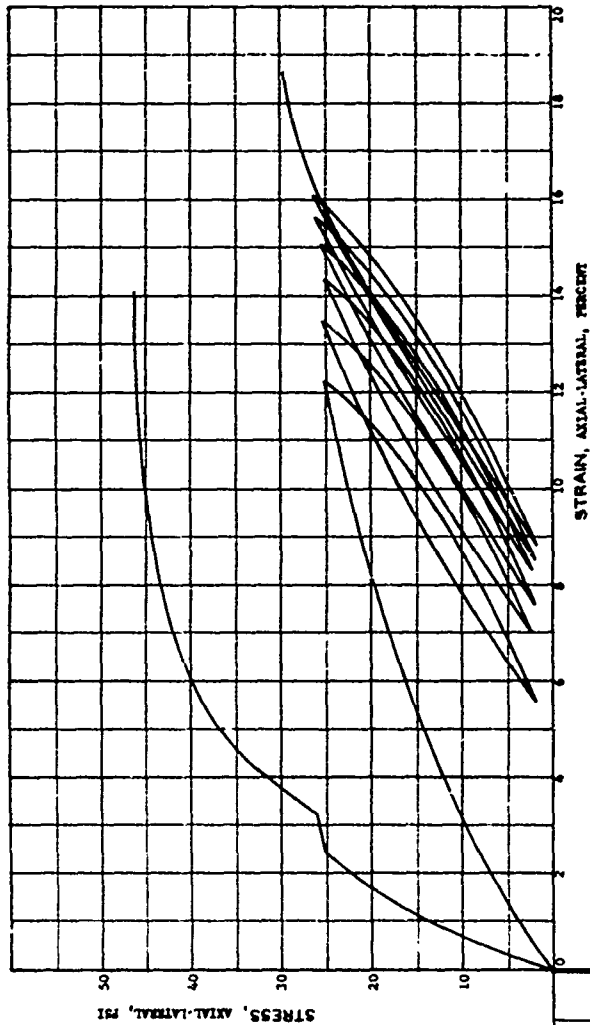
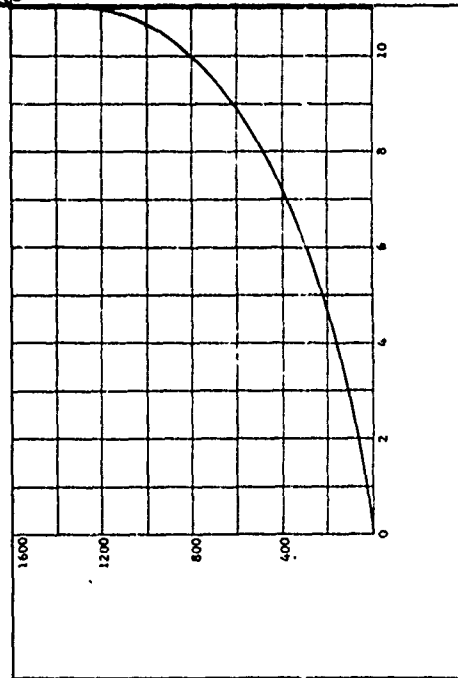
DESCRIPTION McCombs Marsh Sand

Triaxial-Cycle Sheet Q 332

WATER CONTENT	W	10.53	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	82.75	%
DRY DENSITY	$\gamma_d$	124.35	PCF
WET DENSITY	$\gamma$	137.44	PCF
UNIT GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.56	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



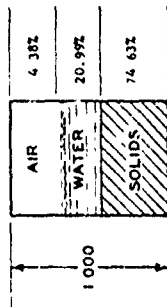
# HYDROSTATIC COMPRESSION PHASE



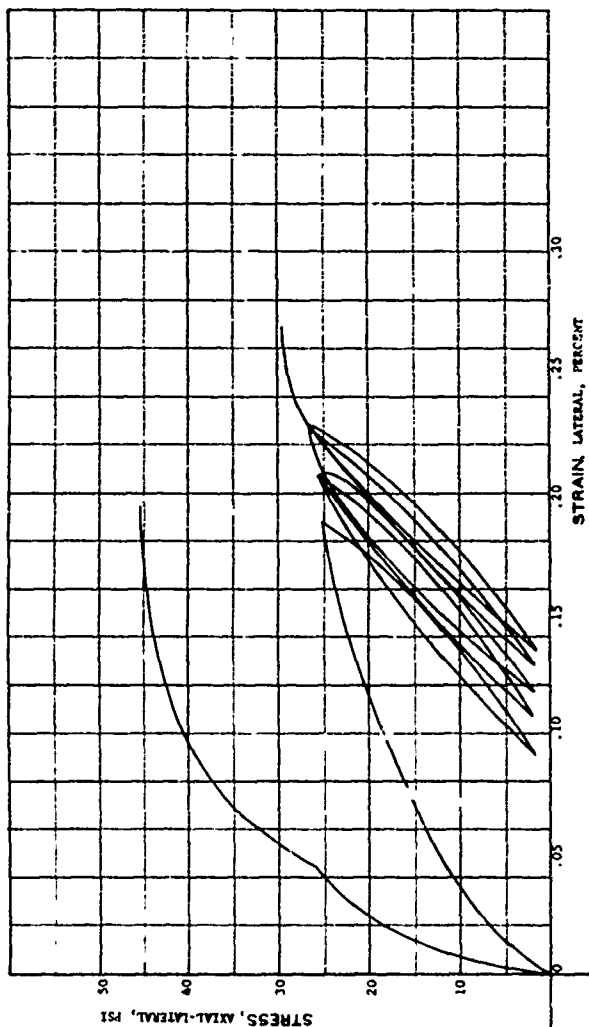
PROJECT Georgia Institute of Technology B-402			
Contract No. DMC39-67-C-0031			
AREA		SAMPLE NO. 100	
BORING NO.	DEPTH	DATE	
EL	PL	PL	PL
LL	27	15	12
DESCRIPTION McCormick Ranch Sand			
Triaxial Cyclic @ 35%			
Lateral Pressure, 200 psi			



WATER CONTENT	W	10.53	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	82.75	%
DRY DENSITY	$\gamma_d$	124.35	PCF
WET DENSITY	$\gamma$	137.44	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.56	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



### HYDROSTATIC COMPRESSION PHASE

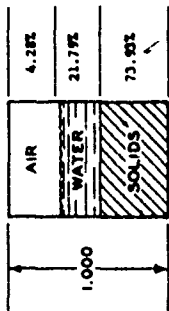


HYDROSTATIC PRESSURE, P, PSI

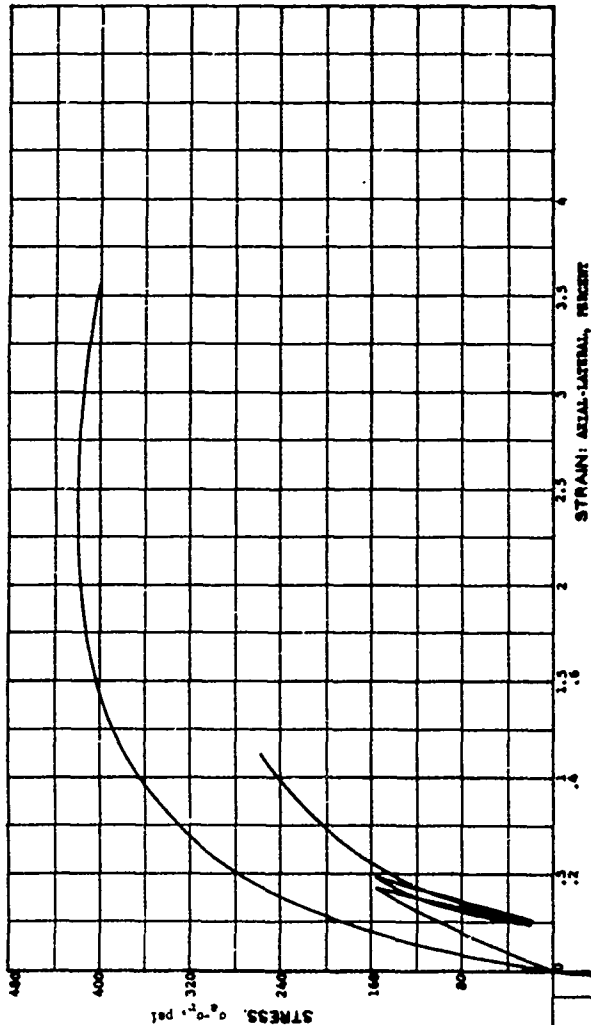
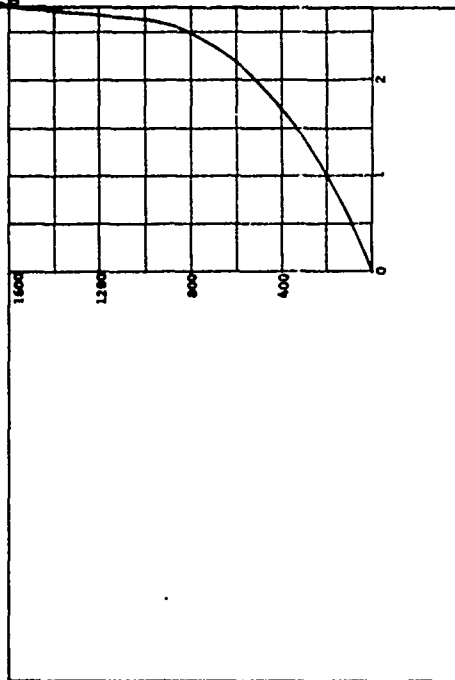
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology B-602			
Contract No. DMC-97-6-0031			
AREA		SAMPLE NO. 100	
BORING NO.		DEPTH	
EL		DATE	
LL 27	PL 15	P1	12
DESCRIPTION McCormick Ranch Sand			
Triaxial Cyclic 9-332			
Lateral Pressure, 200 psi			

WATER CONTENT	W	11.04	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	83.58	%
DRY DENSITY	$\gamma_d$	123.17	PCF
WET DENSITY	$\gamma$	136.77	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.44	CM



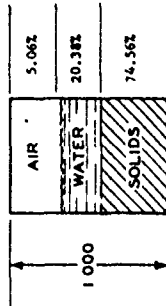
### HYDROSTATIC COMPRESSION PHASE



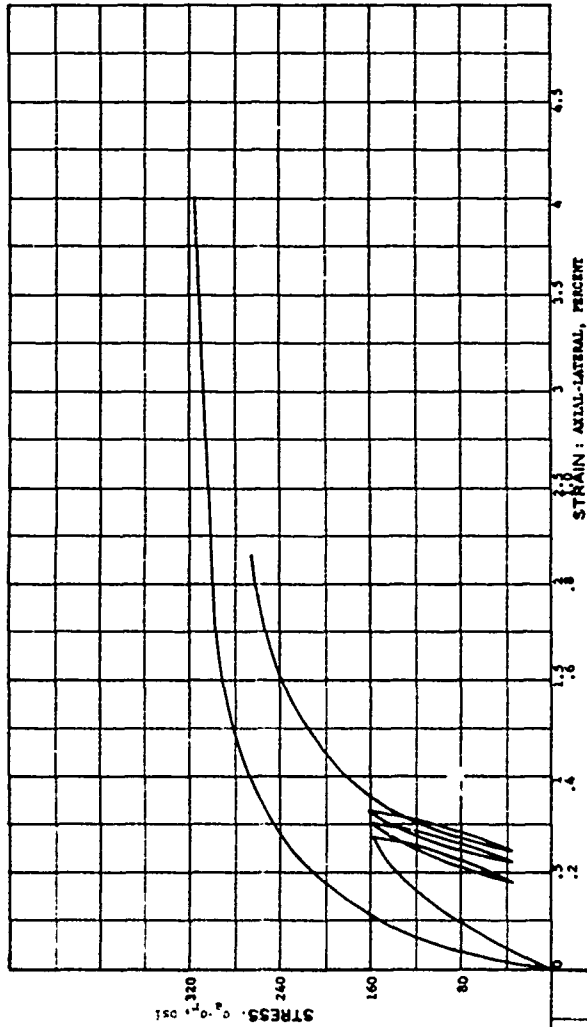
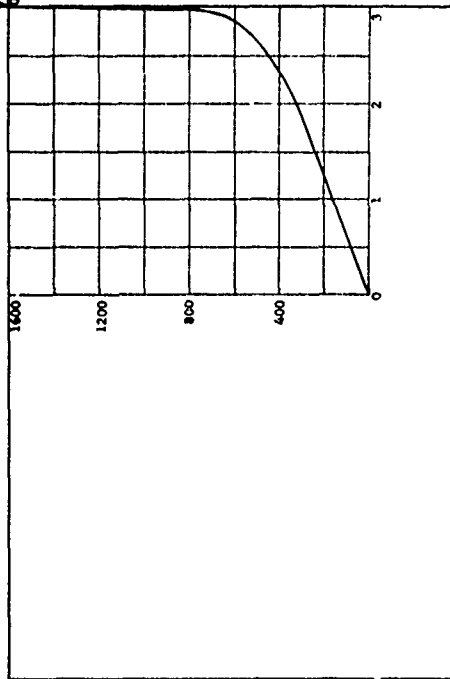
PROJECT <u>Georgia Institute of Technology S-603</u>			
Contract No. <u>DMA39-67-C-0031</u>			
AREA		SAMPLE NO. <u>133</u>	
BORING NO.		DATE	
DEPTH		PL <u>13</u> P1 <u>13</u>	
EL		DESCRIPTION <u>McDonnell Ranch Sand</u>	
LL		Triaxial-Cycle Sheet # <u>333</u>	

HYDROSTATIC PRESSURE, p, PSI

WATER CONTENT	W	10.24	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	80.11	%
DRY DENSITY	$\gamma_d$	124.23	PCF
WET DENSITY	$\gamma$	136.94	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.55	CM

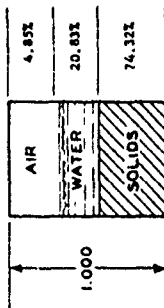


### HYDROSTATIC COMPRESSION PHASE

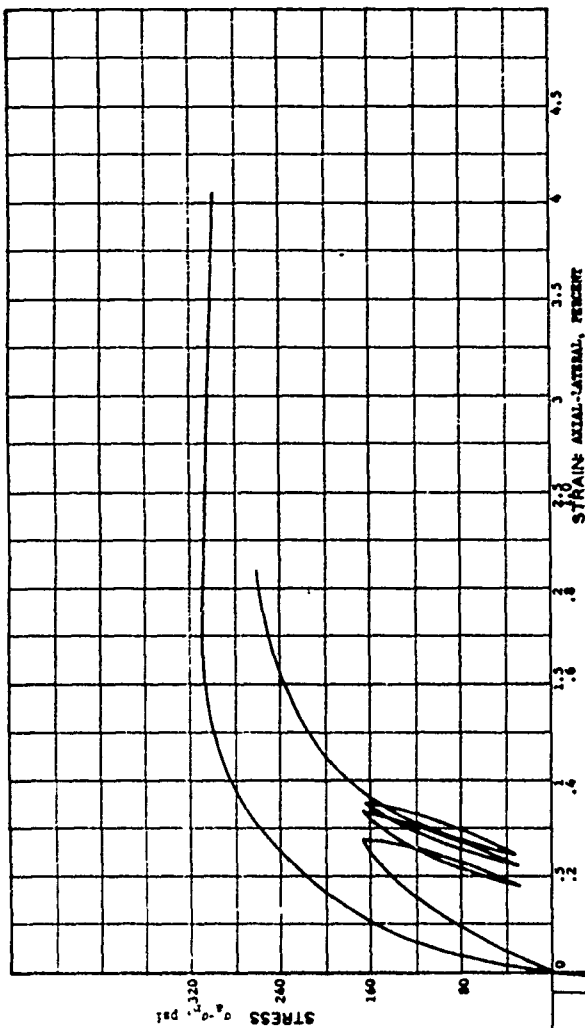
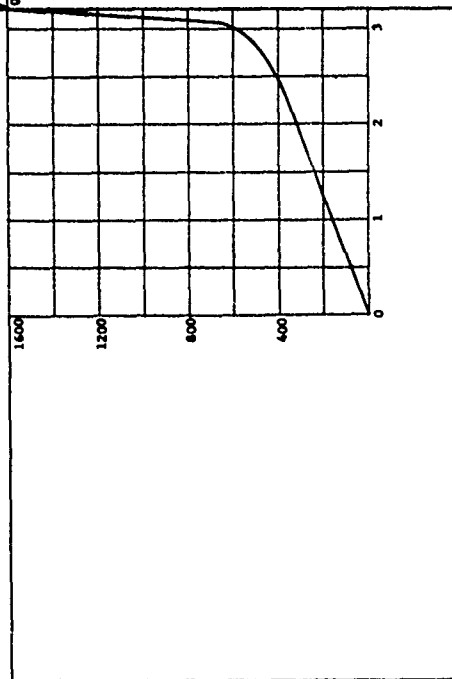


PROJECT		Georgia Institute of Technology B-602	
CONTRACT NO.		DACA19-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	133	
DEPTH	DATE		
EL			
LL	PL	15	PI 12
DESCRIPTION		McGonack Beach Sand	
		Triaxial-Cycle Shear @ 35%	

WATER CONTENT	W	10.50 %
VOID RATIO	$e_0$	0.35
SATURATION	$S_0$	81.10 %
DRY DENSITY	$\gamma_d$	123.82 PCF
WET DENSITY	$\gamma$	136.81 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.53 CM



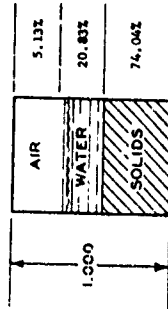
### HYDROSTATIC COMPRESSION PHASE



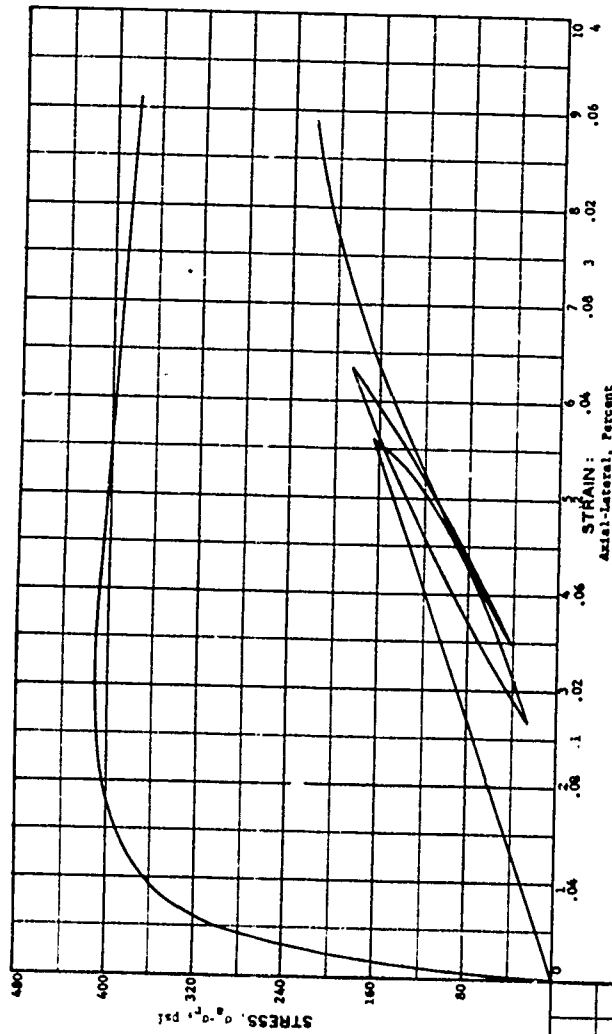
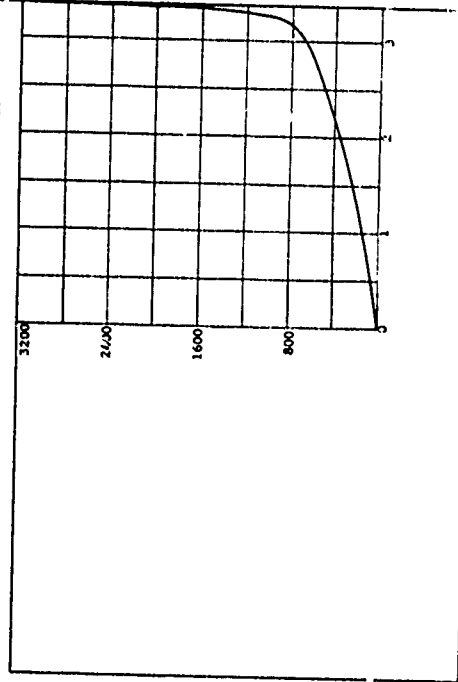
HYDROSTATIC PRESSURE, p, PSI

PROJECT Georgia Institute of Technology B-402			
Contract No. DCA39-47-C-0031			
AREA		SAMPLE NO. 154	
BORING NO.	DEPTH	DATE	
LL 27	PL 15	PI 12	
DESCRIPTION McCordick Ranch Sand			
Triaxial-Compression Shear @ 33%			

WATER CONTENT	W	10.53 %
VOID RATIO	$e_0$	0.35
SATURATION	$S_0$	80.22 %
DRY DENSITY	$\gamma_d$	123.35 PCF
WET DENSITY	$\gamma$	136.35 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.46 CM

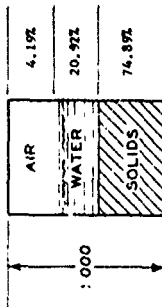


### HYDROSTATIC COMPRESSION PHASE

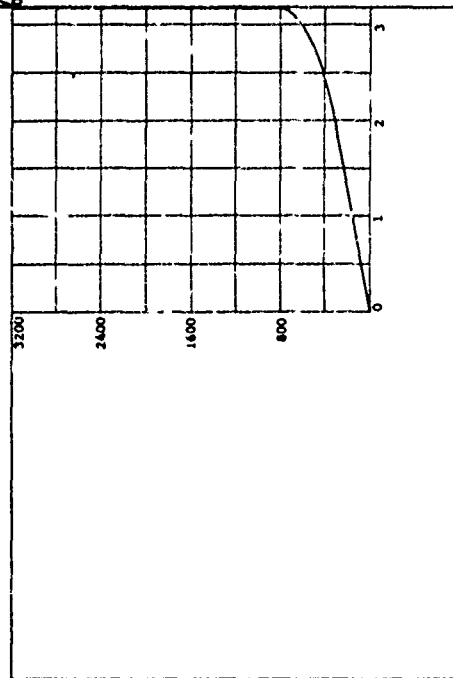


PROJECT Georgia Institute of Technology B-602			
Contract No. DMC39-67-C-0051			
AREA			
BORING NO.	SAMPLE NO. 129		
DATE	DATE		
LL 27	PL 15	PI 12	
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cyclic Shear @ 35%			

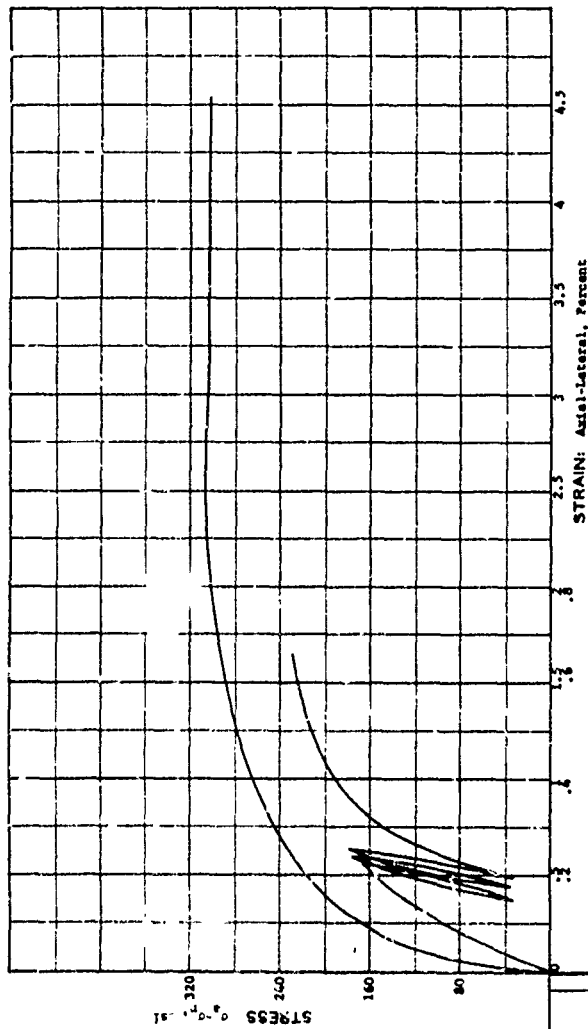
WATER CONTENT	W	10.46	%
VOID RATIO	$e_0$	0.24	
SATURATION	$S_0$	83.33	%
DRY DENSITY	$\gamma_d$	74.78	PCF
WET DENSITY	$\gamma$	127.83	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7	CM



### HYDROSTATIC COMPRESSION PHASE

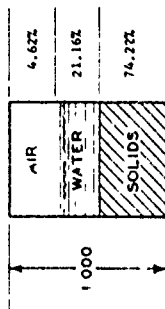


VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

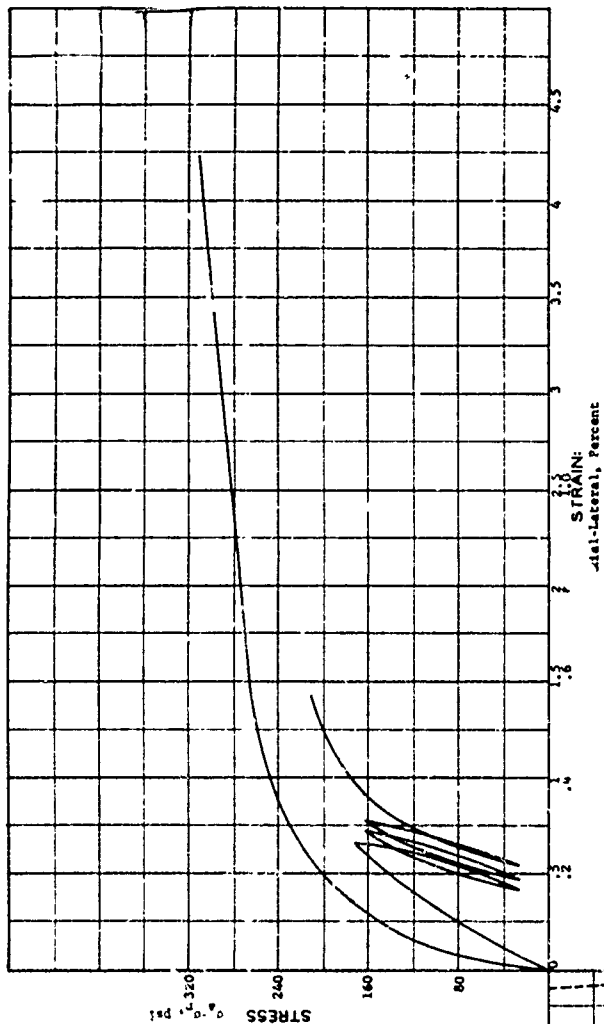
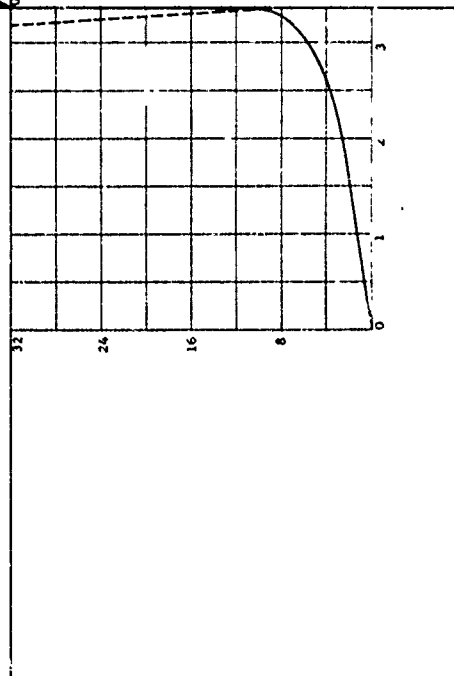


PROJECT Georgia Institute of Technology 8-602			
Contract No. DMC39-67-C-0031			
AREA		SAMPLE NO. 135	
BORING NO.	DEPTH	DATE	
LL 27	PL 15	PI 12	
DESCRIPTION McCormick Marsh Sand			
Triaxial-Cycle Shear @ 328			

WATER CONTENT	W	10.67	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	82.06	%
DRY DENSITY	$\gamma_d$	123.66	PCF
WET DENSITY	$\gamma$	136.86	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM

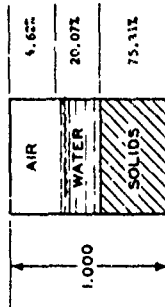


### HYDROSTATIC COMPRESSION PHASE

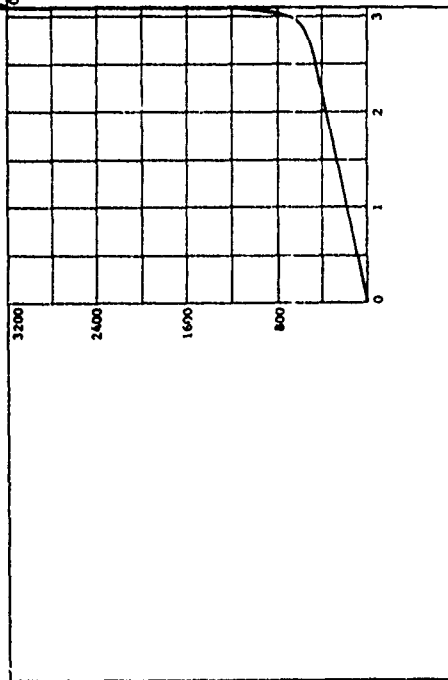


PROJECT Georgia Institute of Technology B-602			
Contract No. DAC39-67-G-0051			
AREA		SAMPLE NO. 139	
BORING NO.	DEPTH	DATE	
LL 27	PL 15	PI 12	
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cycle Shear @ 35%			

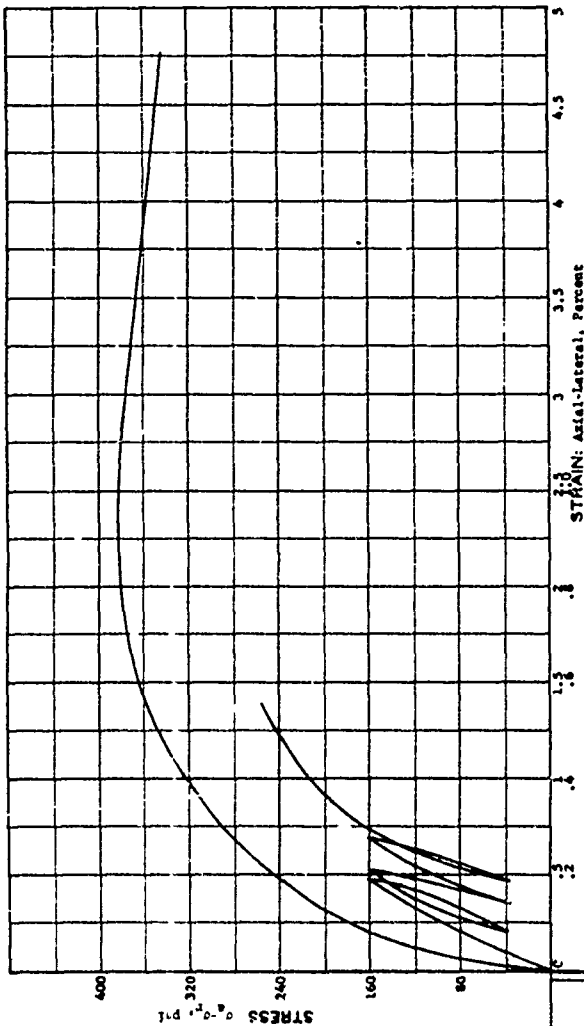
WATER CONTENT	W	9.98 %
VOID RATIO	$e_0$	0.33
SATURATION	$S_0$	81.26 %
DRY DENSITY	$\gamma_d$	125.47 PCF
WET DENSITY	$\gamma$	137.99 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.52 CM



### HYDROSTATIC COMPRESSION PHASE



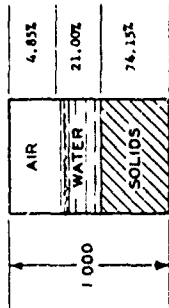
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



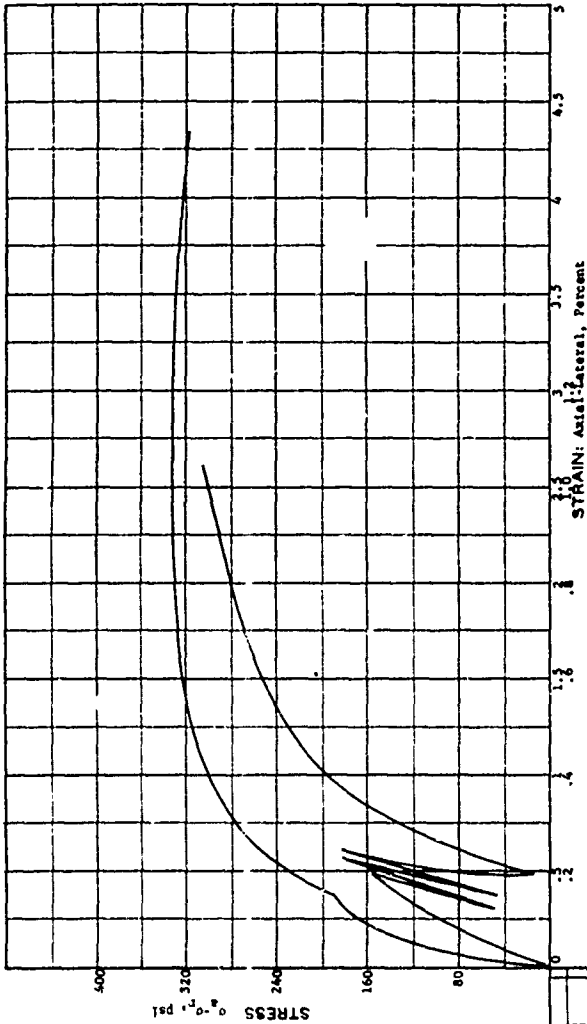
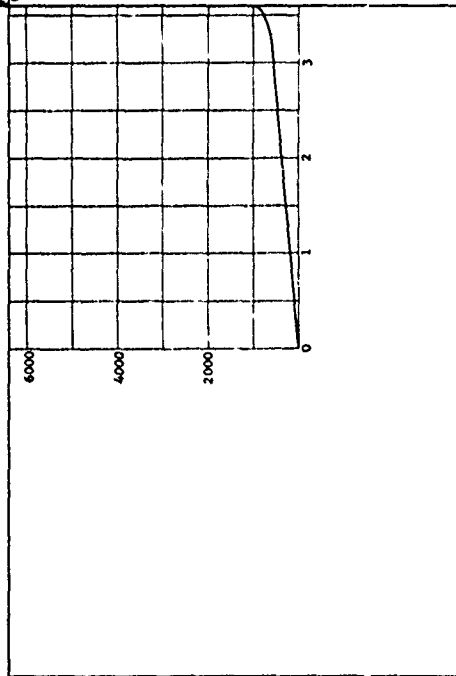
PROJECT Georgia Institute of Technology B-602			
Contract No. DAC39-67-C-0051			
AREA		SAMPLE NO. 160	
BORING NO.	DEPTH	DATE	
LL 27	PL 15	P1	12
DESCRIPTION McComick Ranch Sand			
Triaxial-Cycle Shear @ 35%			



WATER CONTENT	W	10.60 %
VOID RATIO	$e_0$	0.35
SATURATION	$S_0$	81.22 %
DRY DENSITY	$\gamma_d$	123.54 PCF
WET DENSITY	$\gamma$	136.64 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.53 CM

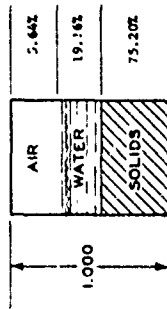


# HYDROSTATIC COMPRESSION PHASE

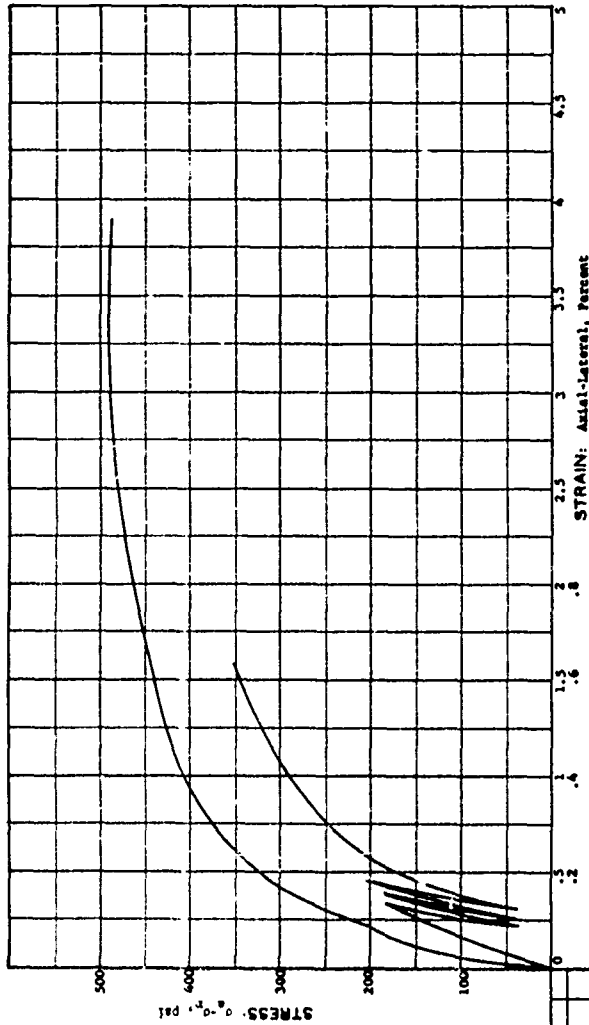
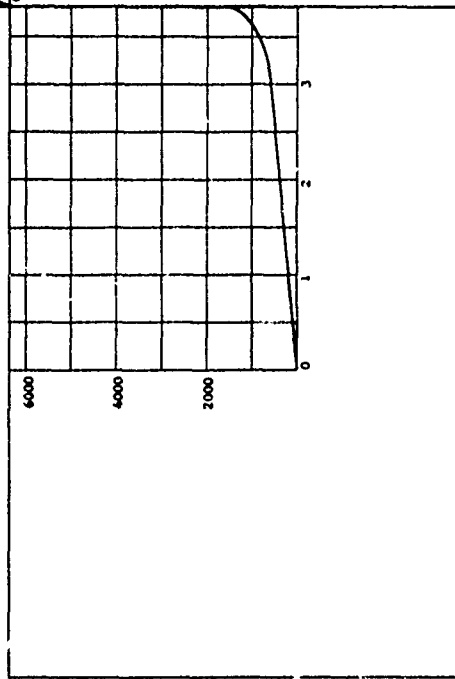


PROJECT Georgia Institute of Technology 8-602	
Contract No. DMC39-67-C-0051	
AREA	
BORING NO.	SAMPLE NO. 172
DEPTH	DATE
EL	
LL 27	PL 15
PL 12	
DESCRIPTION McCormick Ranch Sand	
Triaxial-Cyclic Shear @ 15%	

WATER CONTENT	W	9.54 %
VOID RATIO	$e_0$	0.33
SATURATION	$S_0$	77.25 %
DRY DENSITY	$\gamma_d$	125.29 PCF
WET DENSITY	$\gamma$	137.25 PCF
--- GRAVITY		
	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.53 CM



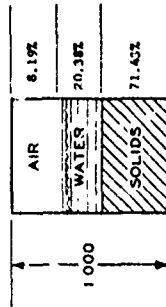
### HYDROSTATIC COMPRESSION PHASE



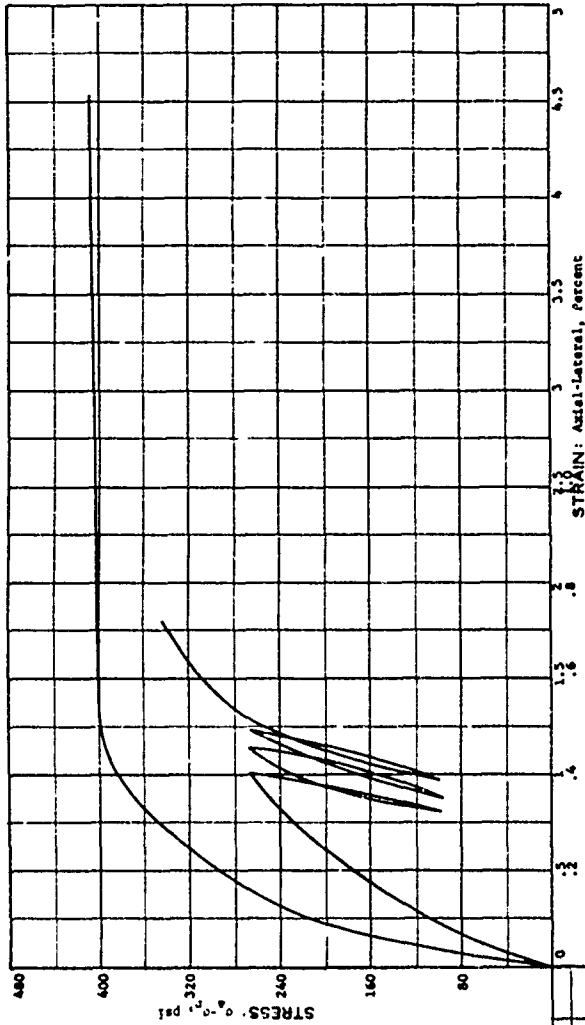
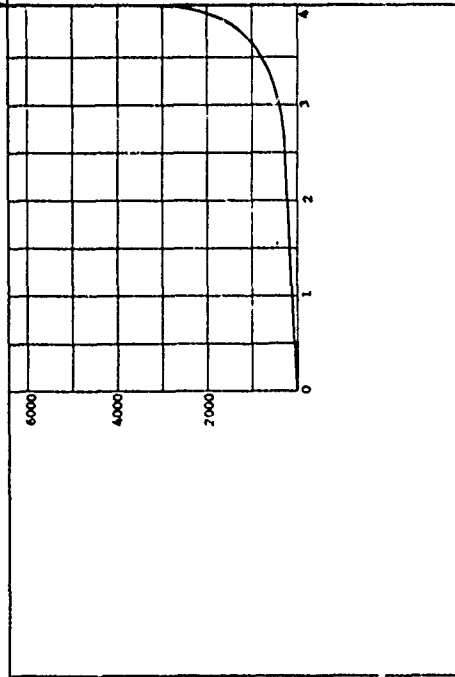
PROJECT Georgia Institute of Technology E-602			
Contract No. DMC39-67-C-0051			
AREA		SAMPLE NO. 175	
BORING NO.	DEPTH	DATE	
LL 27	PL 15	PI 13	
DESCRIPTION McCormick E. 5th Sand			
Triaxial-Cyclic Shear @ 15%			

HYDROSTATIC PRESSURE, P, PSI

WATER CONTENT	W	10.68	%
VOID RATIO	$e_0$	0.40	
SATURATION	$S_0$	71.32	%
DRY DENSITY	$\gamma_d$	119.00	PCF
WET DENSITY	$\gamma$	131.72	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.54	CM

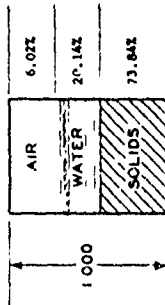


# HYDROSTATIC COMPRESSION PHASE

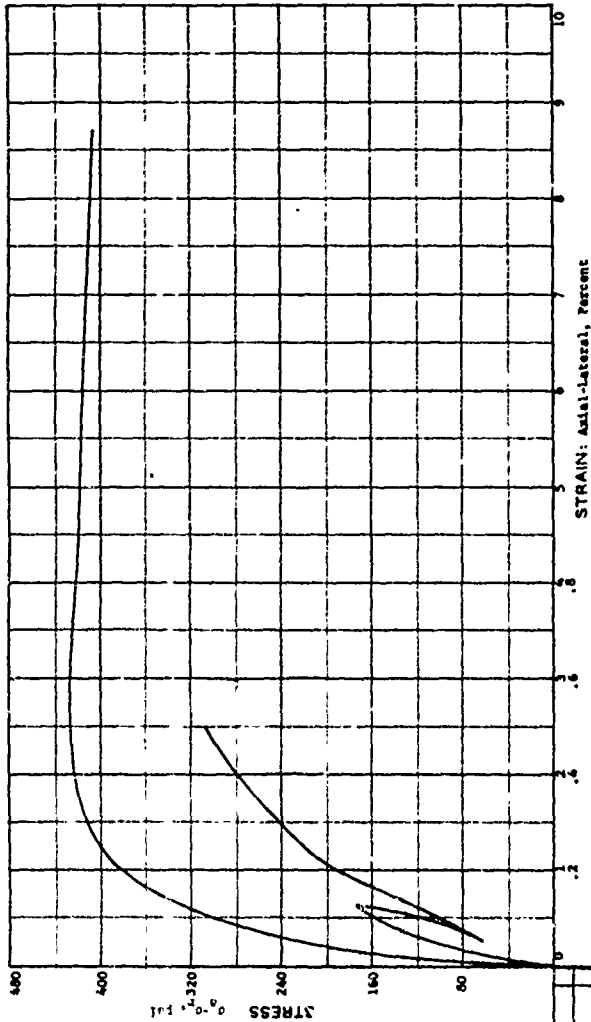
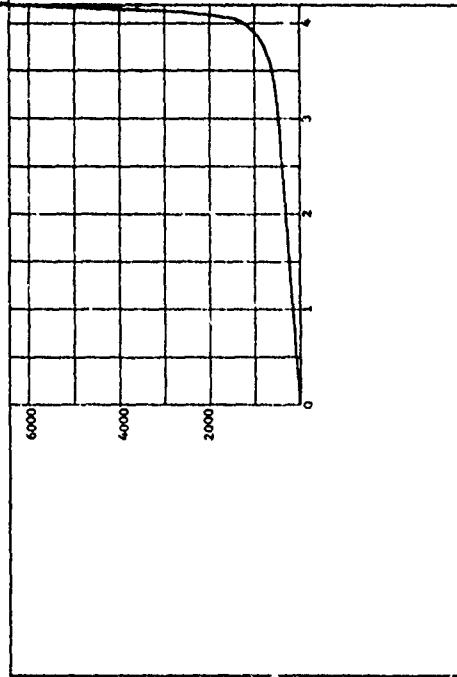


PROJECT Georgia Institute of Technology B-602	
Contract No. DAC439-67-C-0031	
AREA	
BORING NO.	SAMPLE NO. 178
DEPTH	DATE
EL	
LL 27	PL 15
	P1 12
DESCRIPTION McCormick Beach Sand	
Triaxial-Cycle Shear @ 35%	

WATER CONTENT	W	10.22	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	76.97	%
DRY DENSITY	$\gamma_d$	123.02	PCF
WET DENSITY	$\gamma$	135.58	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.54	CM

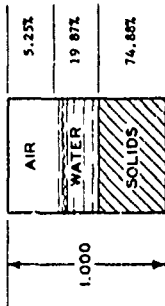


### HYDROSTATIC COMPRESSION PHASE

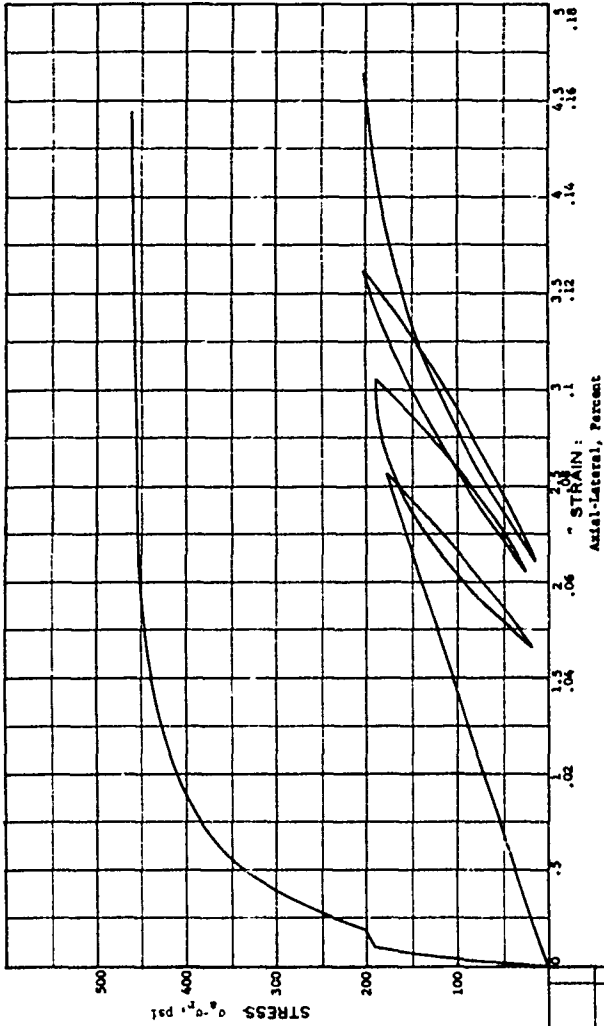
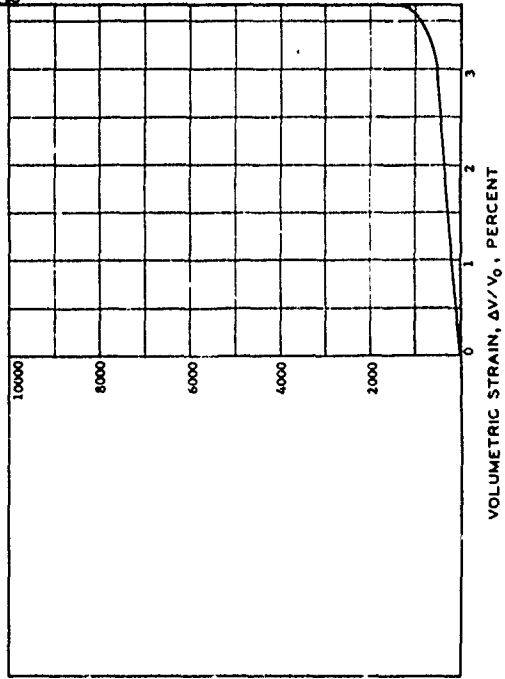


PROJECT Georgia Institute of Technology E-602			
Contract No. DACW39-67-C-0031			
AREA	BORING NO	SAMPLE NO. 180	
	DEPTH	DATE	
LL 27	PL 15	PI 13	
DESCRIPTION McCormick Beach Sand			
Triaxial-Cycle Shear @ 35%			

WATER CONTENT	W	9.96 %
VOID RATIO	$e_0$	0.34
SATURATION	$S_0$	79.11 %
DRY DENSITY	$\gamma_d$	124.73 PCF
WET DENSITY	$\gamma$	137.15 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.52 CM



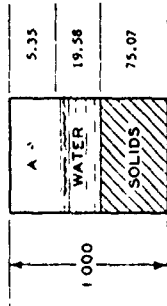
### HYDROSTATIC COMPRESSION PHASE



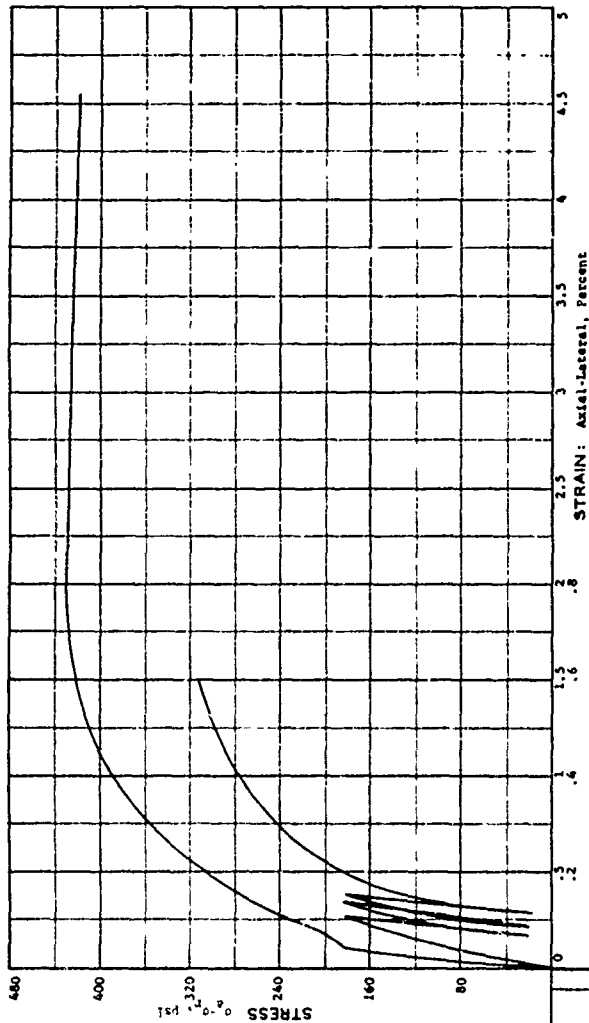
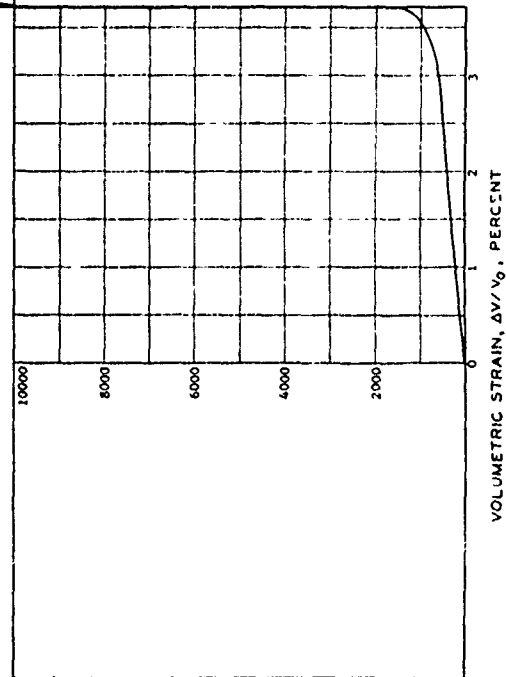
HYDROSTATIC PRESSURE, P, PSI

PROJECT Georgia Institute of Technology B-602			
Contract No. DMC39-67-C-0051			
AREA			
BORING NO.	SAMPLE NO. 171		
DEPTH	DATE		
EL			
LL	27	PL	15
		PI	12
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cycle Sheet 0.35%			

WATER CONTENT	W	9.77 %
VOID RATIO	$e_0$	0.33
SATURATION	$S_0$	78.55 %
DRY DENSITY	$\gamma_d$	125.08 PCF
WET DENSITY	$\gamma$	137.30 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.52 CM

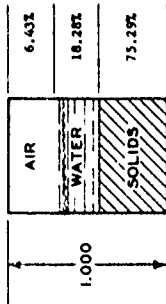


### HYDROSTATIC COMPRESSION PHASE

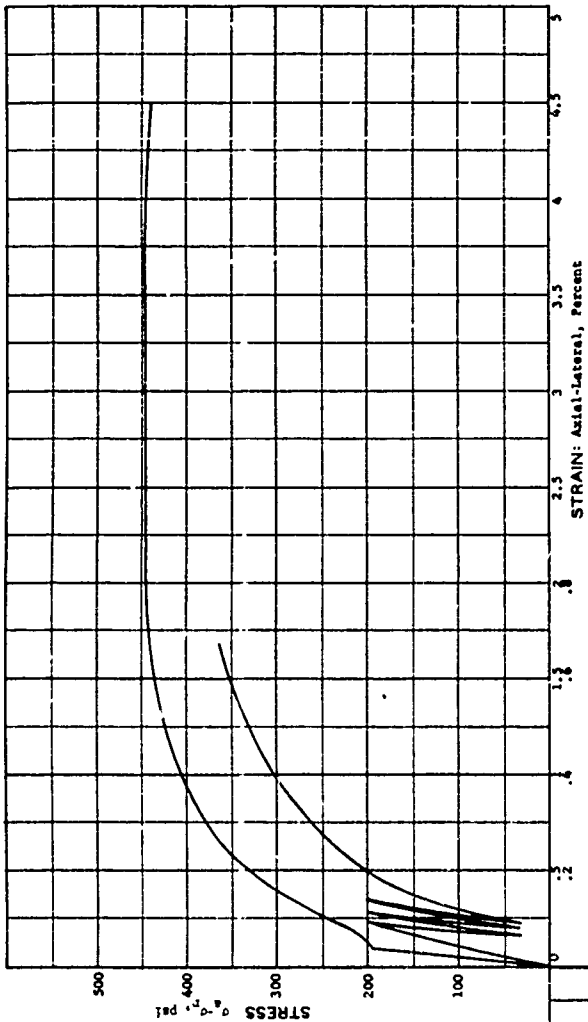
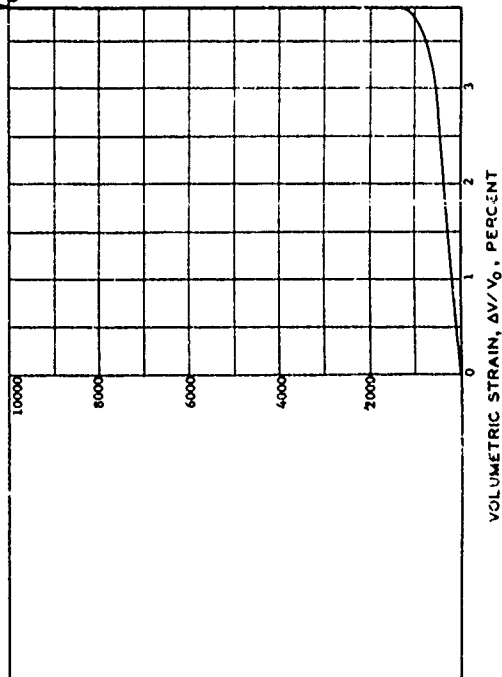


PROJECT Georgia Institute of Technology B-602			
Contract No. DMC39-67-C-0031			
AREA		SAMPLE NO. 126	
BORING NO.	DEPTH	DATE	
LL 27	PL 25	PI 12	
DESCRIPTION McCormick Marsh Sand			
Triaxial-Cycle Shear 0.35%			

WATER CONTENT	W	9.09 %
VOID RATIO	$e_0$	0.33
SATURATION	$S_0$	72.01 %
DRY DENSITY	$\gamma_d$	133.45 PCF
WET DENSITY	$\gamma$	136.86 PCF
SPECIFIC GRAVITY	$G_s$	2.87
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.51 CM



### HYDROSTATIC COMPRESSION PHASE



PROJECT Georgia Institute of Technology 3-602

Contract No. DMC39-67-C-0051

AREA

BORING NO. SAMPLE NO. 179

DEPTH

EL DATE

LL 27

PL

PL 15

PI

12

DESCRIPTION McCormick Ranch Sand

Triaxial-Cycle Shear @ 35%

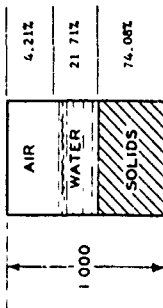
Group C

Triaxial Tests, Cyclic at 75%

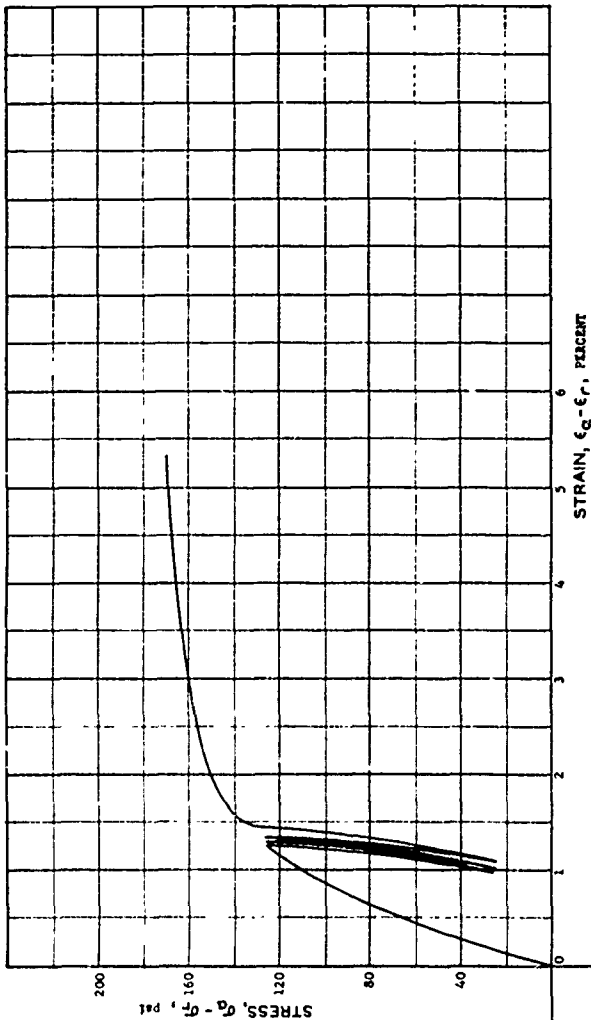
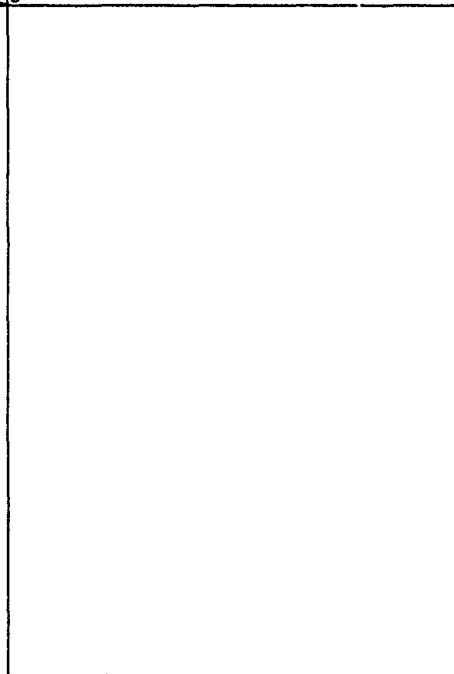


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WATER CONTENT	W	10.98 %
VOID RATIO	$e_0$	0.35
SATURATION	$S_0$	83.77 %
DRY DENSITY	$\gamma_d$	123.43 PCF
WET DENSITY	$\gamma$	136.97 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.52 CM



### HYDROSTATIC COMPRESSION PHASE

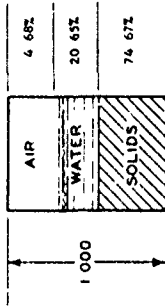


PROJECT		G& Tech B-602,	
		Contract No. DMC39-67-C-0031	
AREA			
BORING NO	SAMPLE NO.		107
DEPTH	DATE		
EL			
LL	27	PL	15
		PI	12
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cycle Shear @ 75%			

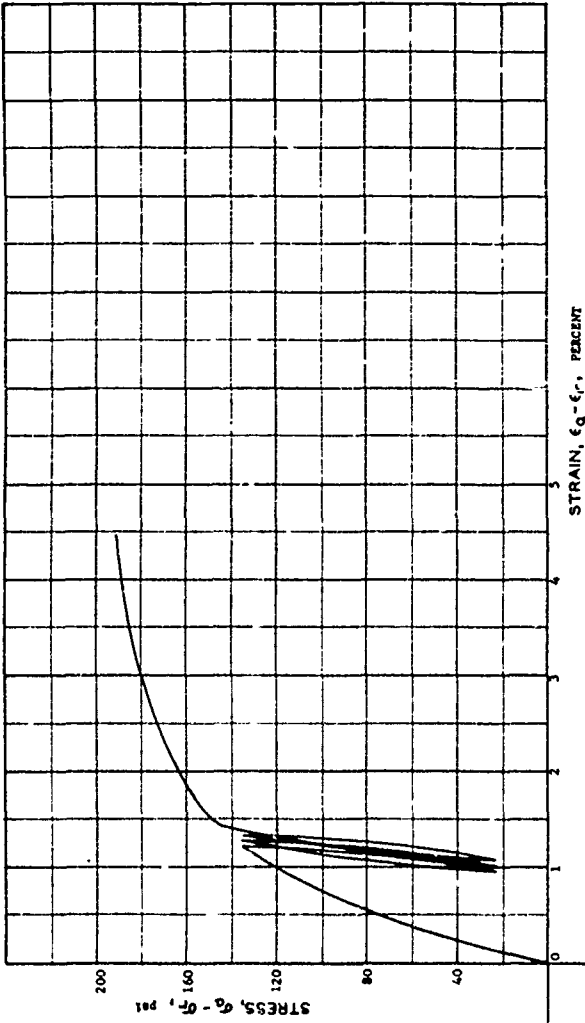
HYDROSTATIC PRESSURE, P, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	10.36	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	81.52	%
DRY DENSITY	$\gamma_d$	124.40	PCF
WET DENSITY	$\gamma$	137.29	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.51	CM



### HYDROSTATIC COMPRESSION PHASE

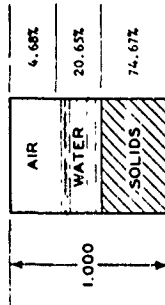


HYDROSTATIC PRESSURE, P, PSI

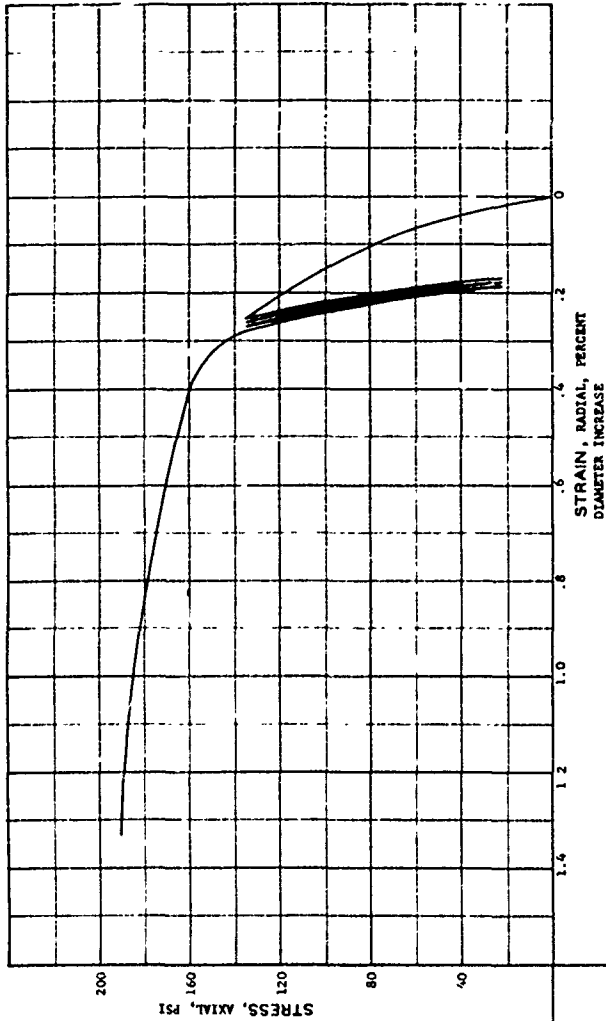
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Ca Tech 3-602.	
		Contract No. DAC33-67-C-0031	
AREA			
BORING NO	SAMPLE NO.	109	
DEPTH	DATE		
EL			
LL	PL	15	PI 12
DESCRIPTION			
McComick Ranch Sand			
Tritonal, Cyclic @ 75%			
Lateral Pressure, 200 psi			

WATER CONTENT	W	10.36 %
VOID RATIO	$e_0$	0.34
SATURATION	$S_0$	81.52 %
DRY DENSITY	$\gamma_d$	126.40 PCF
WET DENSITY	$\gamma$	137.29 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.51 CM



### HYDROSTATIC COMPRESSION PHASE

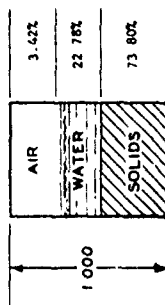


HYDROSTATIC PRESSURE, P, PSI

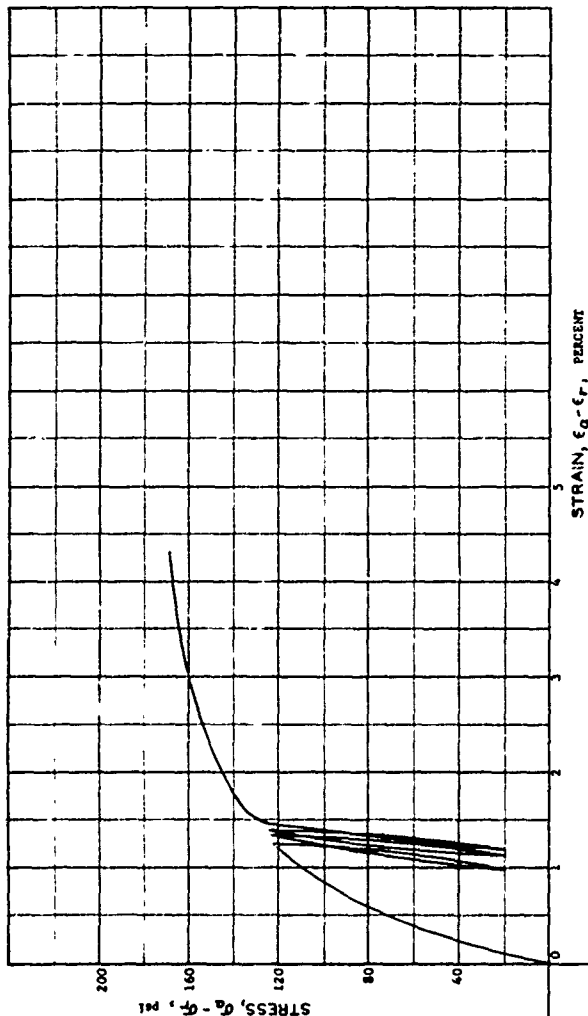
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Ga Tech B-602,			
Contract No. DAC39-67-C-0031			
AREA		SAMPLE NO. 109	
BORING NO.		DATE	
DEPTH		PL	15
EL		PI	12
DESCRIPTION McCormick Ranch Sand			
Triaxial, Cyclic @ 75%			
Lateral Pressure, 200 psi			

WATER CONTENT	W	11.56 %
VOID RATIO	$e_0$	0.35
SATURATION	$S_0$	86.96 %
DRY DENSITY	$\gamma_d$	122.95 PCF
WET DENSITY	$\gamma$	137.17 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.52 CM
SPECIMEN HEIGHT	$H_0$	7.49 CM



# HYDROSTATIC COMPRESSION PHASE

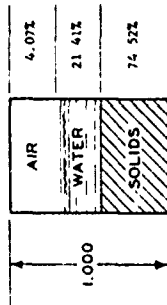


HYDROSTATIC PRESSURE,  $p$ , PSI

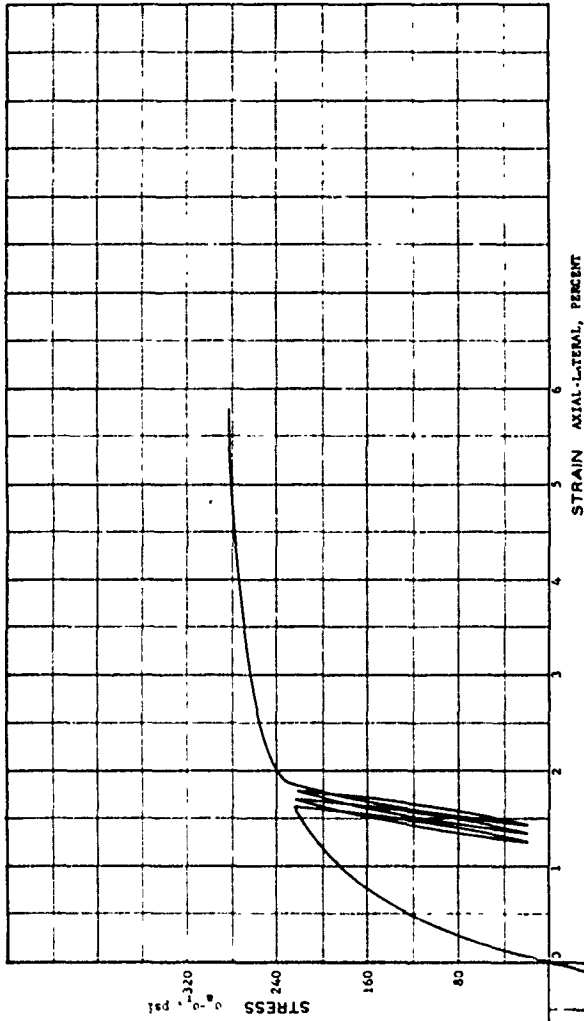
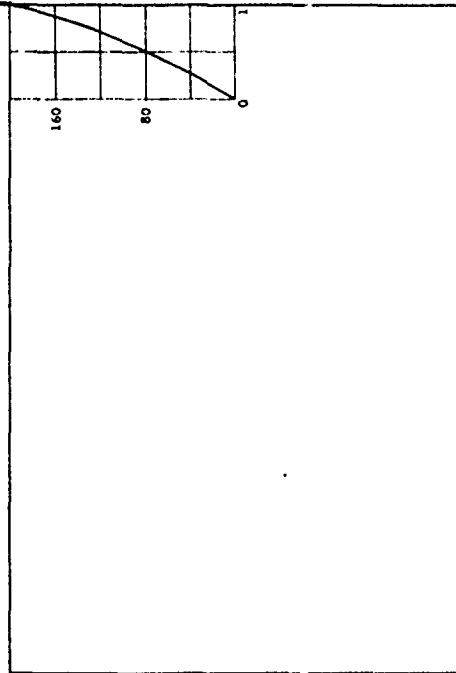
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Ga Tech B-602.	
Contract No.		DACA39-67-C-0031	
AREA	BORING NO.	SAMPLE NO. 113	
DEPTH	DATE	PL 15	
EL	PL	PI 12	
LL	27	13	
DESCRIPTION			
McComick Beach Sand			
Triaxial-Cycle Shear @ 75%			

WATER CONTENT	W	10.76 %
VOID RATIO	$e_0$	0.34
SATURATION	$S_0$	84.03 %
DRY DENSITY	$\gamma_d$	124.15 PCF
WET DENSITY	$\gamma$	137.51 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.54 CM



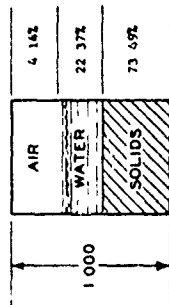
### HYDROSTATIC COMPRESSION PHASE



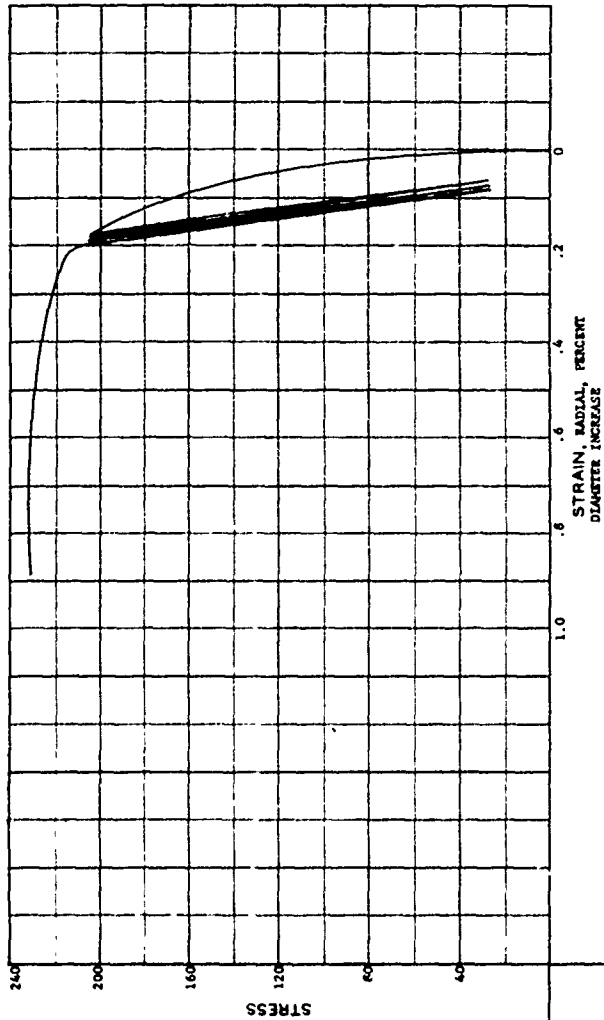
PROJECT		Ga Tech B-602;	
Contract No.		DMA39-67-C-0031	
AREA			
BORING NO	SAMPLE NO.	10%	
DEPTH	DATE		
EL			
LL	27	PL	15
		P1	12
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cycle Shear @ 75%			

HYDRO: FATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	11.40	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	84.40	%
DRY DENSITY	$\gamma_d$	122.44	PCF
WET DENSITY	$\gamma$	136.40	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.52	CM
SPECIMEN HEIGHT	$H_0$	7.50	CM



### HYDROSTATIC COMPRESSION PHASE

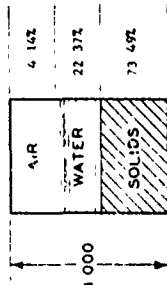


HYDROSTATIC PRESSURE, P, PSI

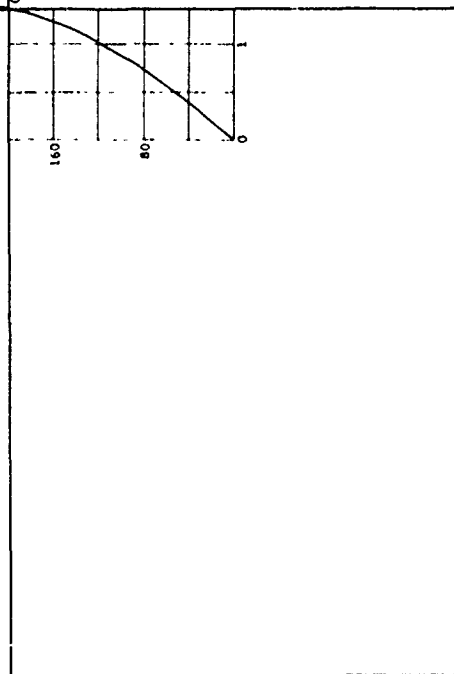
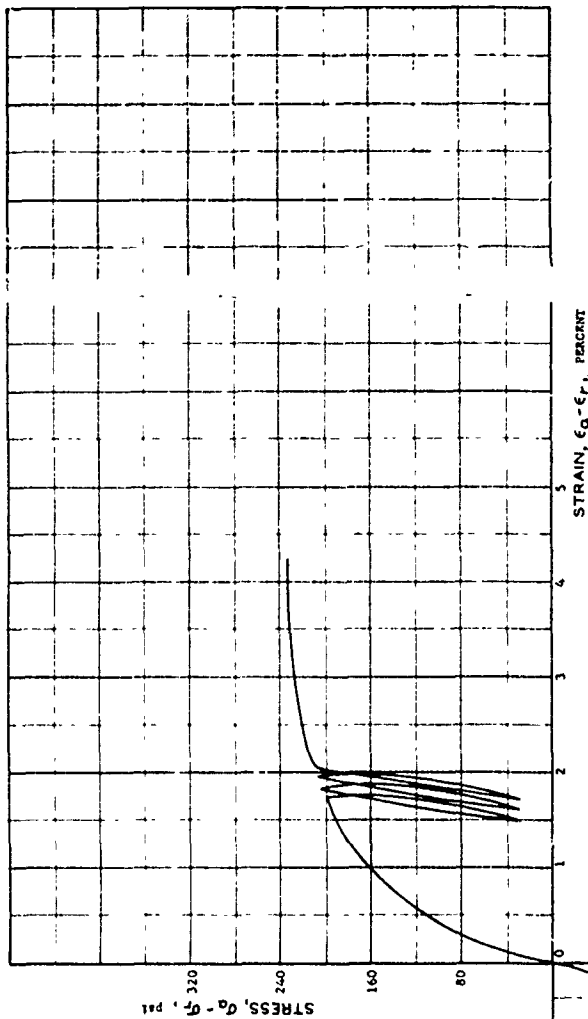
PROJECT		Ga Tech B-502	
CONTRACT NO.		DMCA39-67-C-005	
AREA	BORING NO.	SAP	E NO. 110
EL	27	PL	15
LL	27	PL	12
DESCRIPTION			
McComick Ranch Sand			
Triaxial, Cyclic @ 252			
Lateral Pressure, 200 psi			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	11.40 %
VOID RATIO	$e_0$	0.36
SATURATION	$S_0$	84.40 %
DRY DENSITY	$\gamma_d$	122.44 PCF
WET DENSITY	$\gamma$	136.40 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.52 CM
SPECIMEN HEIGHT	$H_0$	7.50 CM

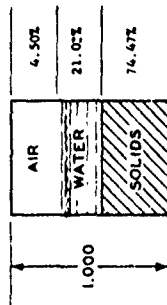


### HYDROSTATIC COMPRESSION PHASE

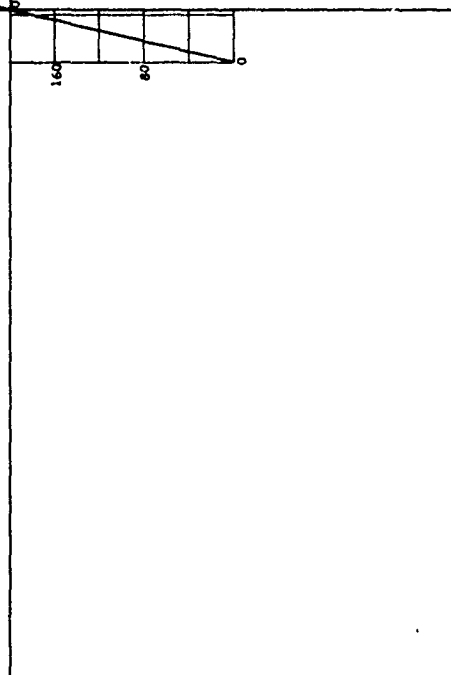
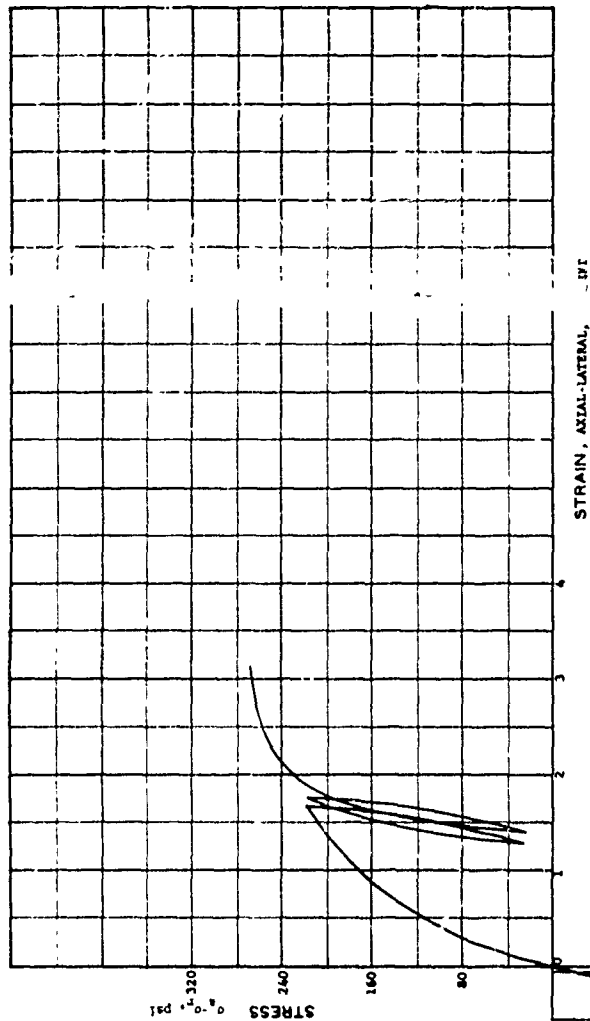


PROJECT		Ga Tech B-602	
		Contract No. DMO39-67-C-07	
AREA			
BORING NO.	S	FLIGHT	110
DEPTH			
EL			
LL	27	PL	15
		PT	12
DESCRIPTION			
McComick Ranch Sand			
Triaxial, Cyclic @ 732			
Lateral Pressure, 200 psi			

WATER CONTENT	W	10.58	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	82.38	%
DRY DENSITY	$\gamma_d$	124.08	PCF
WET DENSITY	$\gamma$	137.20	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.52	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE

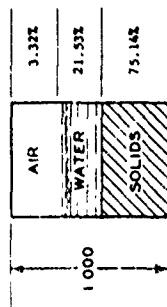


PROJECT Georgia Institute of Tech		Y	
Contract No. DMOU9-67-C-1			
AREA			
BORING NO.	SAMPLE NO. 123		
DEPTH	SITE		
EL	PL 15	PL 12	
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cyclic Sheet 0 / 1			

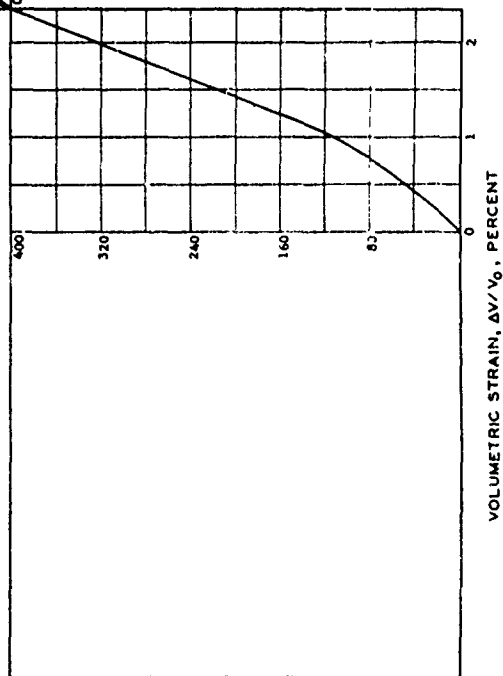
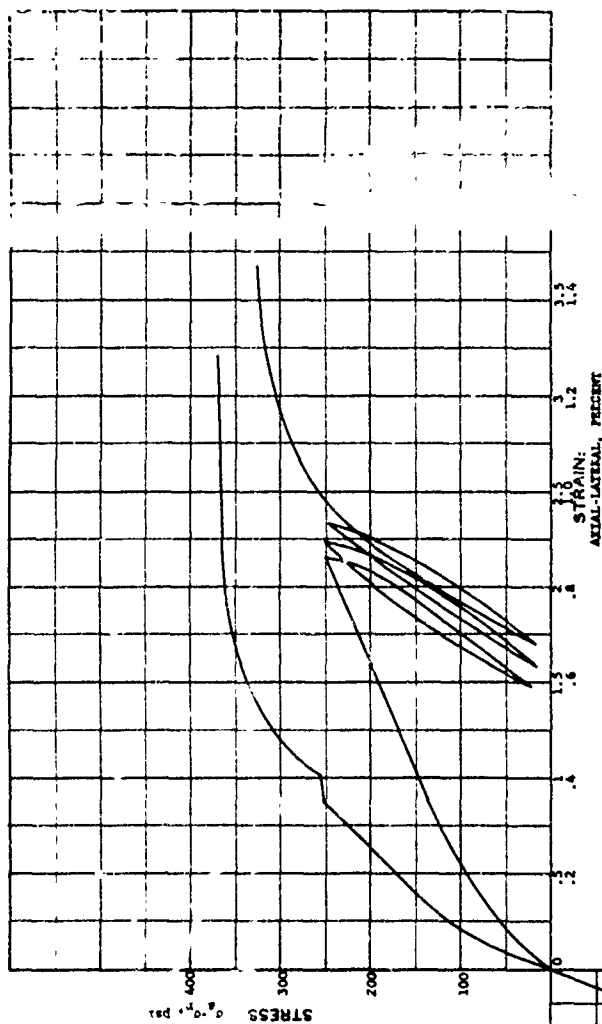




WATER CONTENT	W	10.73 %
VOID RATIO	$e_0$	0.33
SATURATION	$S_0$	86.63 %
DRY DENSITY	$\gamma_d$	125.20 PCF
WET DENSITY	$\gamma$	138.63 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.46 CM



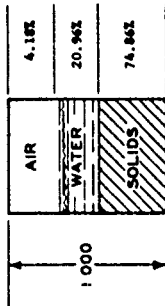
### HYDROSTATIC COMPRESSION PHASE



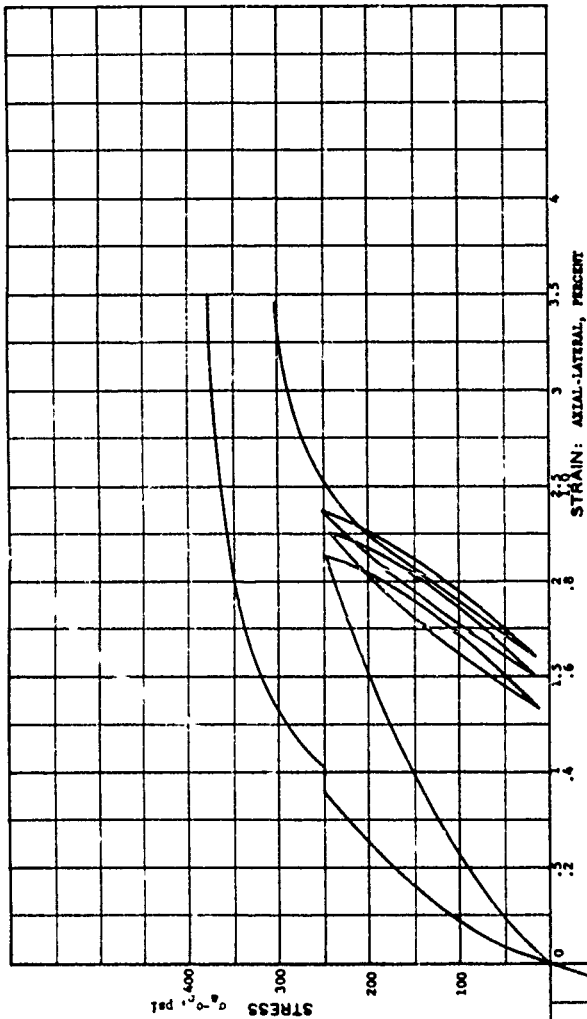
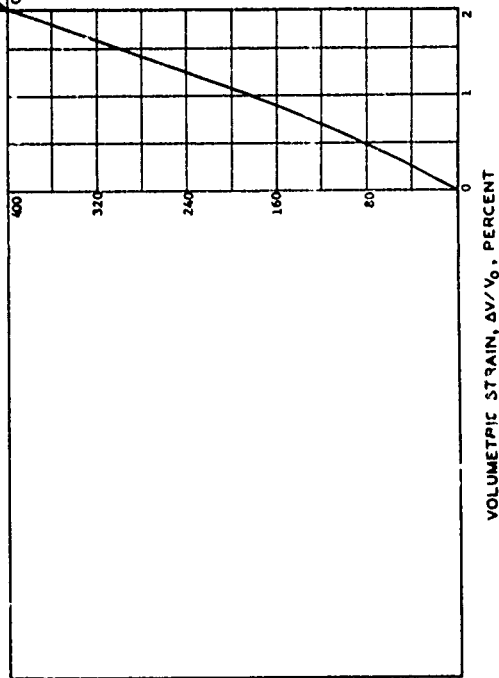
HYDROSTATIC PRESSURE, p, PSI

PROJECT Georgia Institute of Technology B-602	
Contract No. DMC39-67-C-0031	
AREA	
BORING NO. 120	SAMPLE NO.
DEPTH	DATE
LL 27	PL 15
DESCRIPTION McCormick Ranch Sand	
Triaxial-Cycle Shear @ 75%	

WATER CONTENT	W	10.49 %
VOID RATIO	$e_0$	0.34
SATURATION	$S_0$	83.38 %
DRY DENSITY	$\gamma_d$	124.73 PCF
WET DENSITY	$\gamma$	137.60 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.47 CM

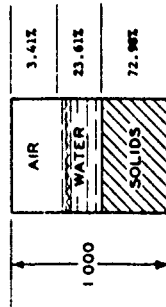


### HYDROSTATIC COMPRESSION PHASE

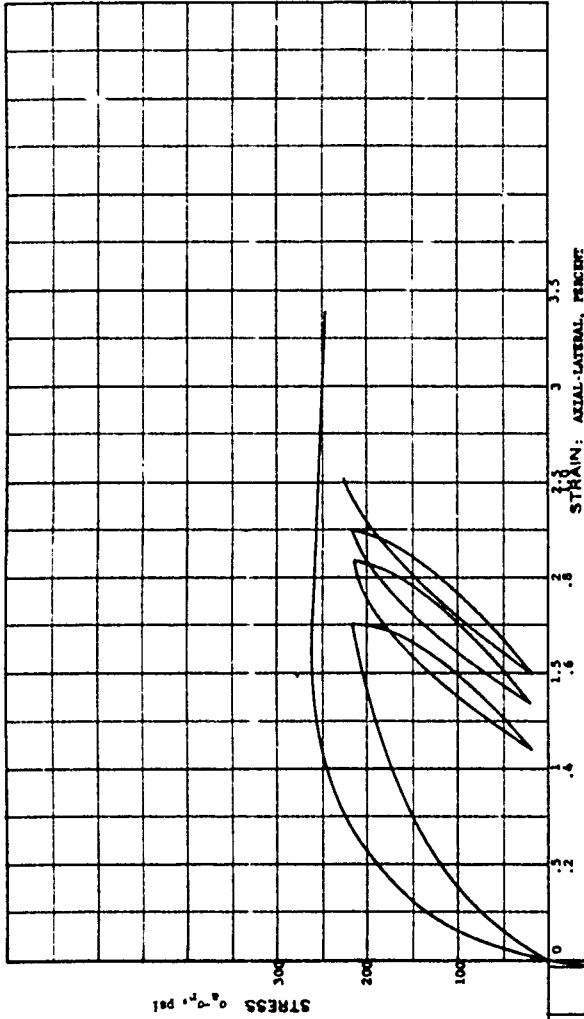
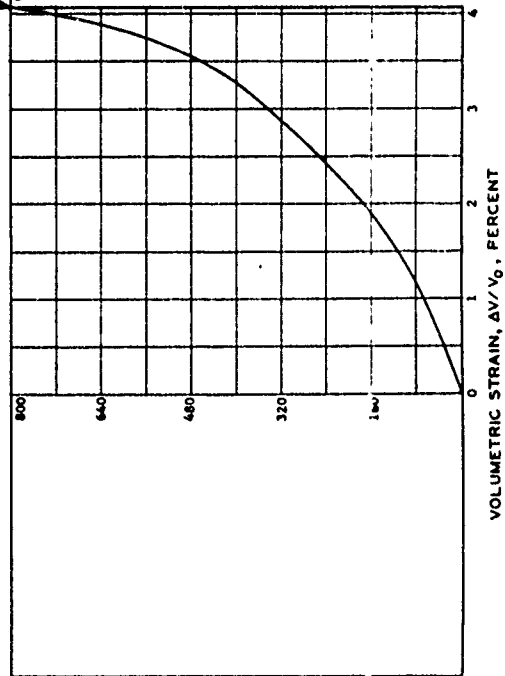


PROJECT Georgia Institute of Technology			
Contract No. DMC39-67-G-0031			
AREA		SAMPLE NO. 121	
BORING NO.	DEPTH	DATE	
LL 27	PL 15	PI 12	
DESCRIPTION McCornick Ranch Sand			
Triaxial-Cycle Shear @ 75%			

WATER CONTENT	W	12.12	%
VOID RATIO	$e_0$	0.37	
SATURATION	$S_0$	87.39	%
DRY DENSITY	$\gamma_d$	121.59	PCF
WET DENSITY	$\gamma$	136.32	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.47	CM



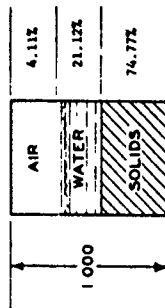
### HYDROSTATIC COMPRESSION PHASE



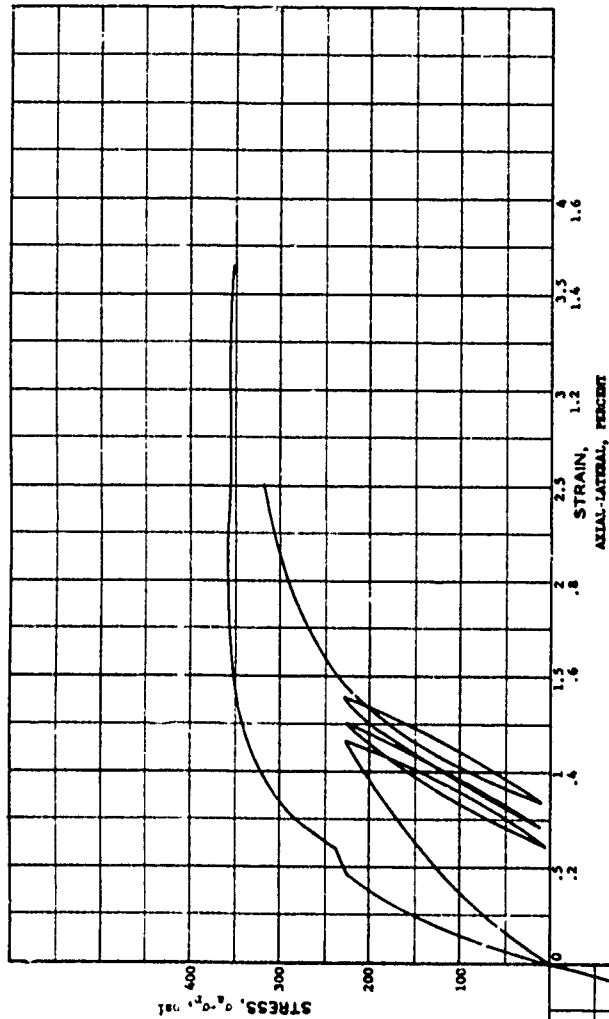
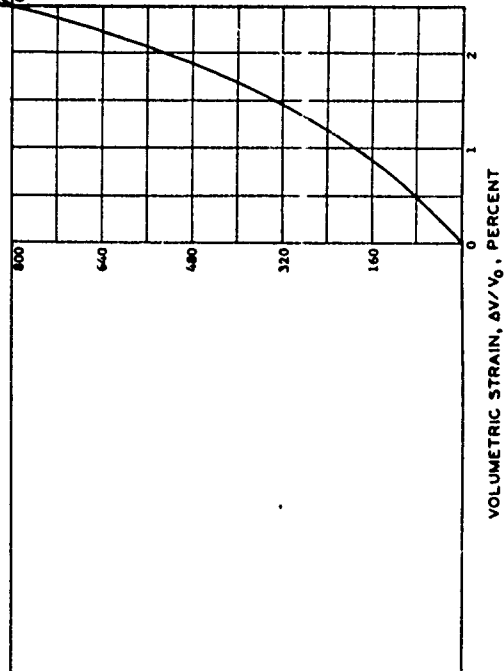
PROJECT		Georgia Institute of Technology	
Contract No.		DMCA39-67-C-0031	
AREA	BORING NO.	SAMPLE NO.	111
UL	EL	DATE	
LL	27	PL	15
		PI	12
DESCRIPTION		McComick Ranch Sand	
		Triaxial-Cycle Shear @ 75%	

HYDROSTATIC PRESSURE, p, PSI

WATER CONTENT	W	10.58 %
VOID RATIO	$e_0$	0.34
SATURATION	$S_0$	83.72 %
DRY DENSITY	$\gamma_d$	124.57 PCF
WET DENSITY	$\gamma$	137.75 PCF
CORREL. GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_r$	7.46 CM

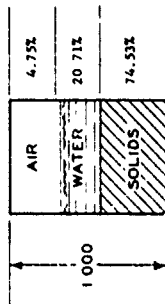


### HYDROSTATIC COMPRESSION PHASE

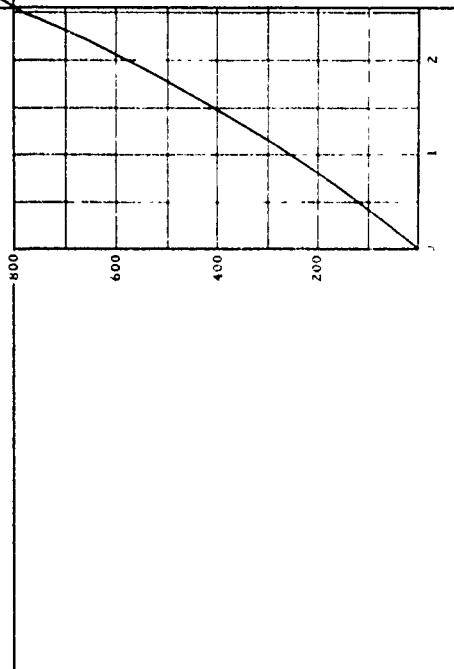
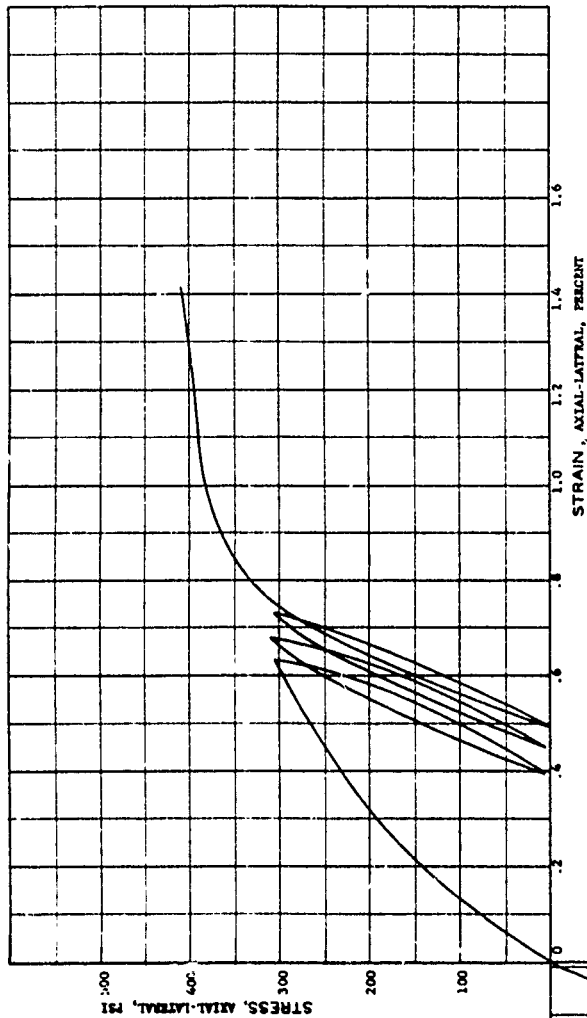


PROJECT <u>Ca Tech 8-602</u>	
Conference No. <u>DMC39-67-C-0051</u>	
AREA	
BORING NO.	SAMPLE NO. <u>126</u>
DEPTH	DATE
EL	
LL <u>27</u>	PL <u>15</u>
	PI <u>12</u>
DESCRIPTION <u>McCOMBES RANCH SAND</u>	
<u>Tetrahedral-Cyclic Shear @ 75%</u>	

WATER CONTENT	W	10.41	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	81.33	%
DRY DENSITY	$\gamma_d$	124.17	PCF
WET DENSITY	$\gamma$	137.10	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	2.51	CM
SPECIMEN HEIGHT	$H_0$	7.46	CM



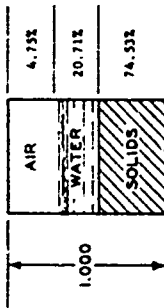
### HYDROSTATIC COMPRESSION PHASE



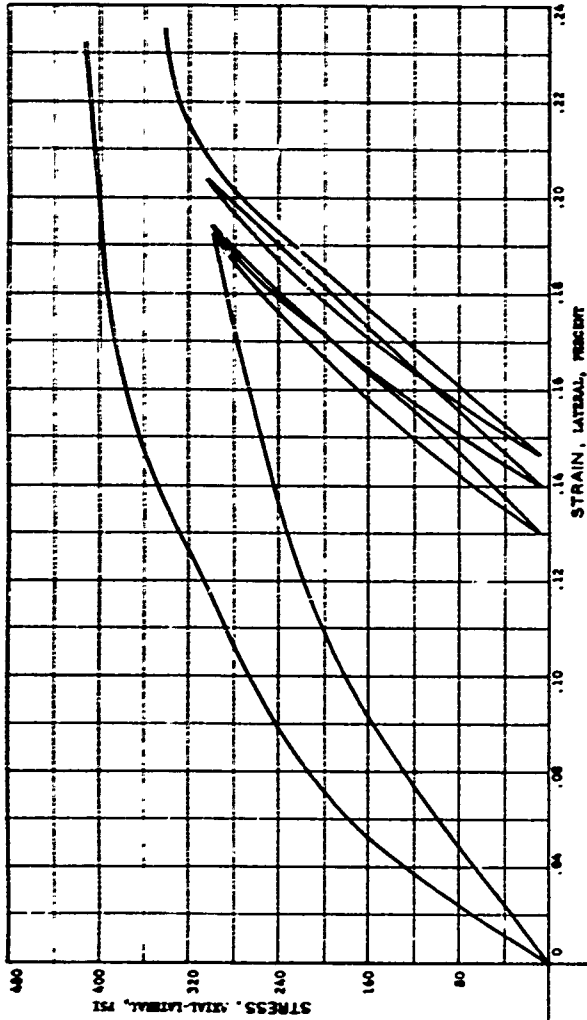
HYDROSTATIC PRESSURE, P, PSI

PROJECT Georgia Institute of Technology B-602			
Contract No. DACA39-67-C-0031			
AREA			
BORING NO.	SAMPLE NO. 128		
DEPTH	DATE		
EL	PL	15	PI 12
DESCRIPTION McCasick Ranch Sand			
Triaxial, Cycle Q 75%			
Lateral Pressure, 800 psi			

WATER CONTENT	W	10.41	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	81.33	%
DRY DENSITY	$\gamma_d$	124.17	PCF
WET DENSITY	$\gamma$	137.10	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.46	CM



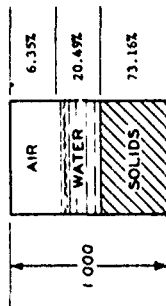
### HYDROSTATIC COMPRESSION PHASE



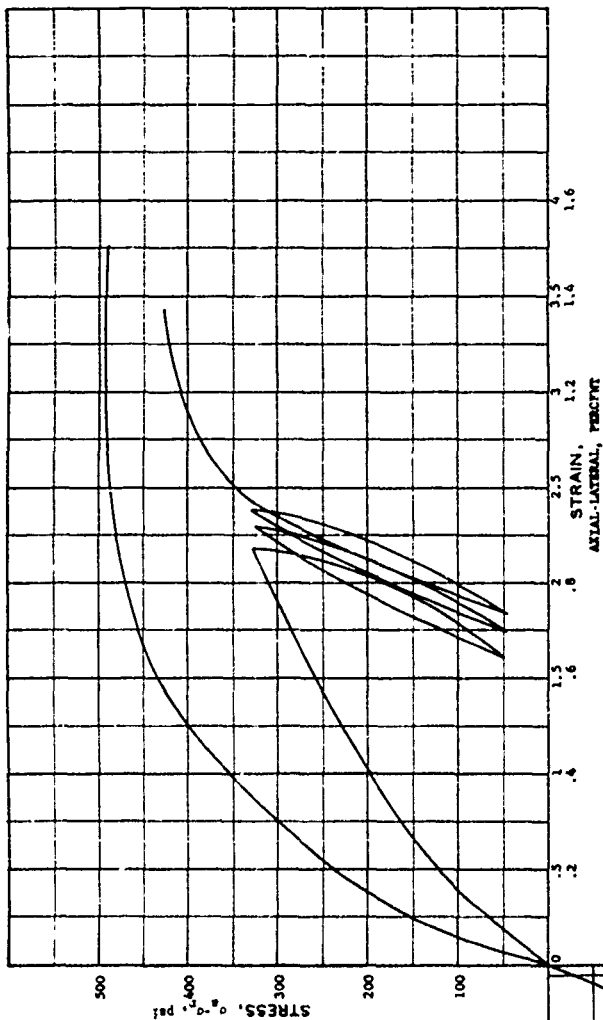
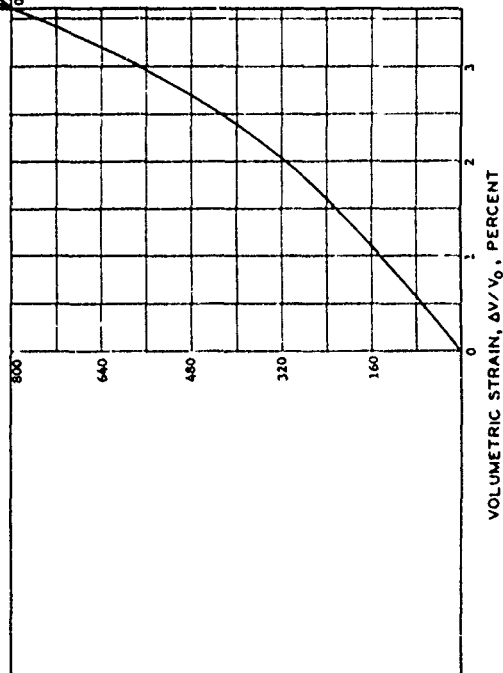
PROJECT Georgia Institute of Technology J-402			
Contract No. DCAJ9-67-C-0051			
AREA			
BORING NO.	SAMPLE NO. 128		
DEPTH	DATE		
EL	PL 15	PI 12	
DESCRIPTION McCormick Ranch Sand			
Triaxial, Cyclic @ 73%			
Lateral Pressure, 800 psi			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	10.49	%
VOID RATIO	$e_0$	0.37	
SATURATION	$S_0$	76.33	%
DRY DENSITY	$\gamma_d$	121.88	PCF
WET DENSITY	$\gamma$	134.67	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.72	CM



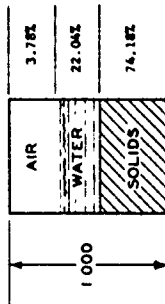
# HYDROSTATIC COMPRESSION PHASE



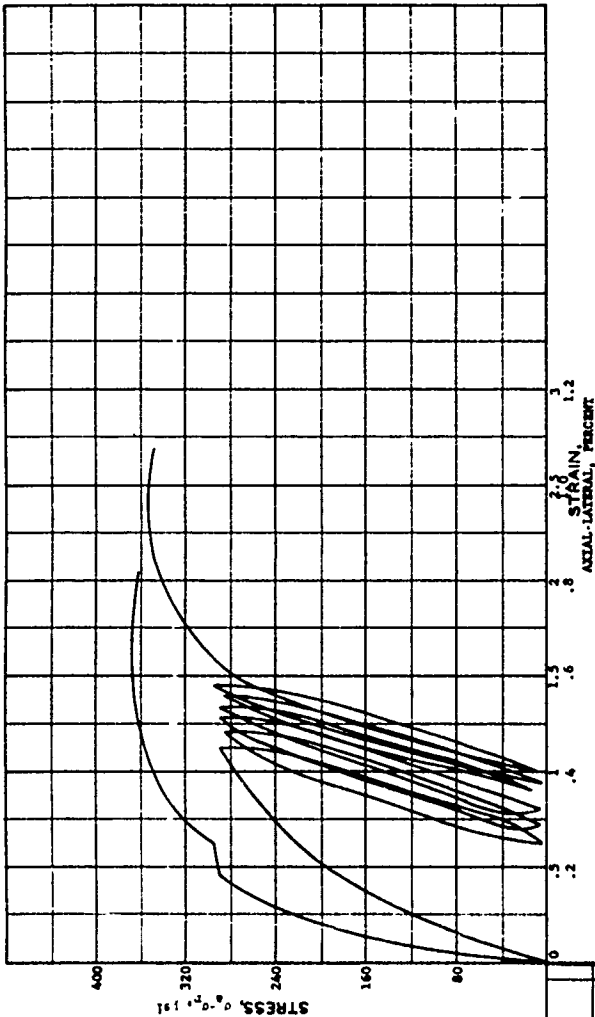
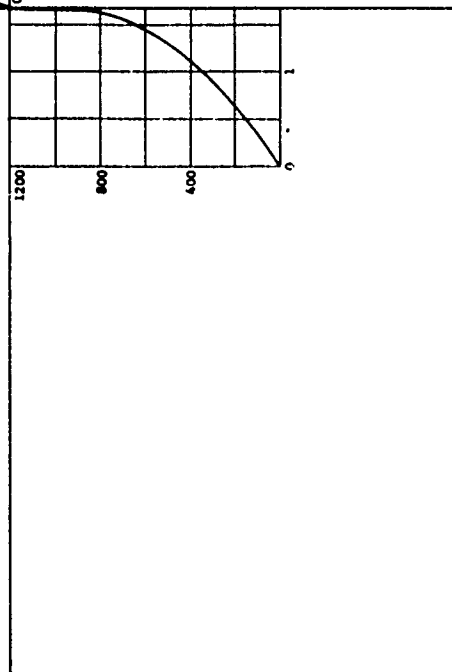
PROJECT Ga Tech B-6021			
Contract No. DAC39-67-C-0051			
AREA		SAMPLE NO. 131	
BORING NO.		DATE	
DEPTH		PL	15
EL		PL	12
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cycle Shear @ 75%			



WATER CONTENT	W	11.15	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	85.36	%
DRY DENSITY	$\gamma_d$	123.59	PCF
WET DENSITY	$\gamma$	137.34	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.48	CM



### HYDROSTATIC COMPRESSION PHASE

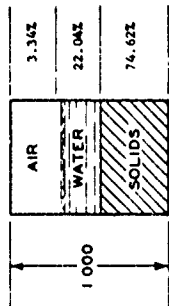


PROJECT		On Tech 3-602:	
		Contract No. DAC39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.		117
DEPTH	DATE		
EL			
LL	27	PL	15
		PI	12
DESCRIPTION			
McGowan Bench Sand			
Triaxial-Cycle Shear @ 75%			

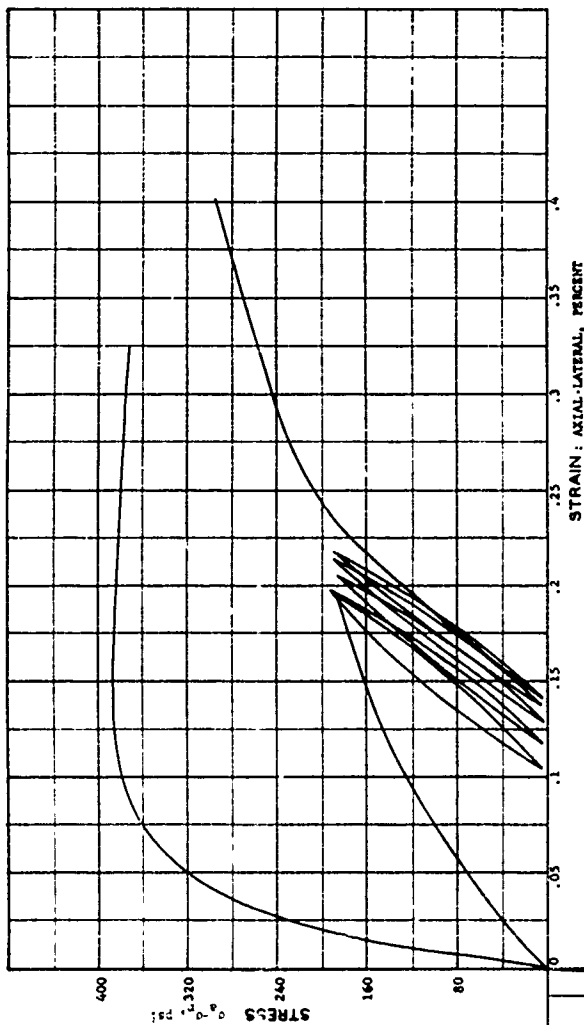
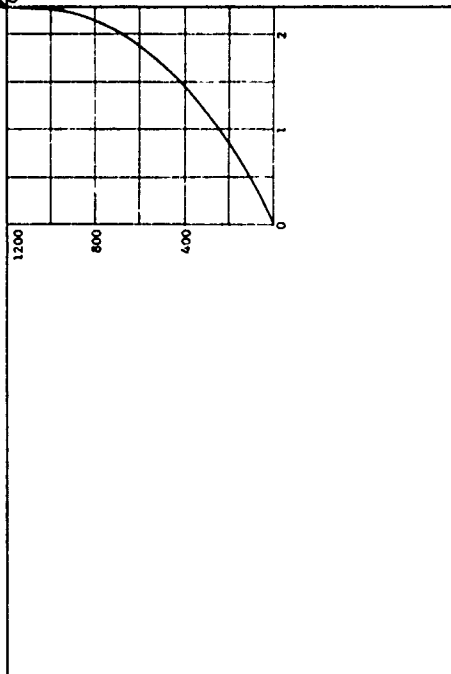
HYDROSTATIC PRESSURE,  $p$ , PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	11.06 %
VOID RATIO	$e_0$	0.34
SATURATION	$S_0$	86.66 %
DRY DENSITY	$\gamma_d$	124.32 PCF
WET DENSITY	$\gamma$	138.08 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.49 CM

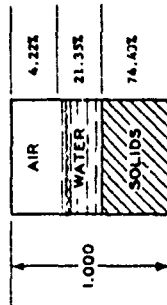


### HYDROSTATIC COMPRESSION PHASE

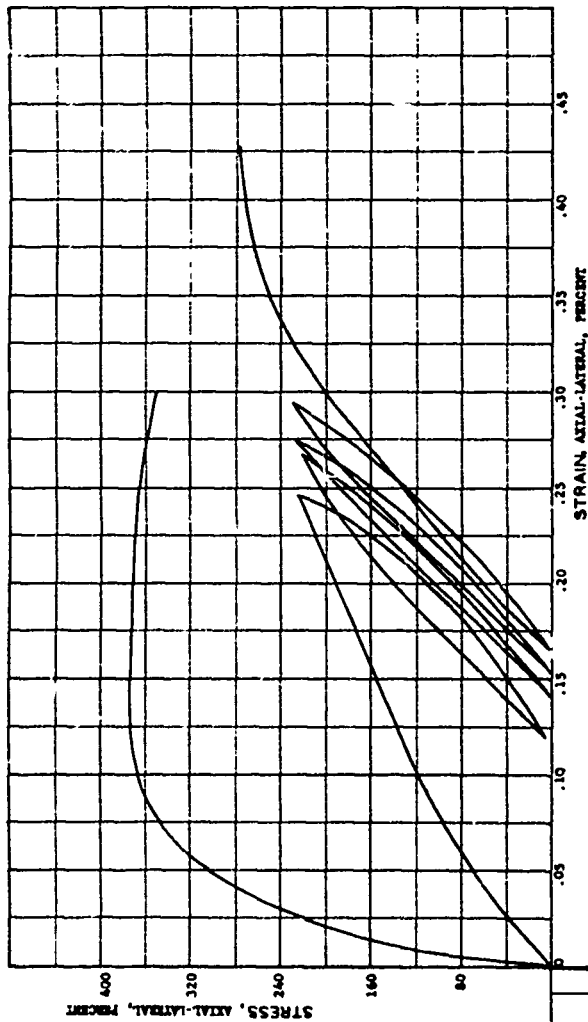
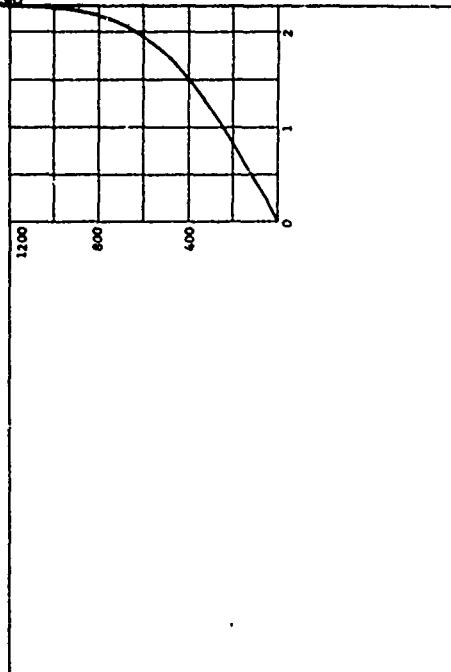


PROJECT Georgia Institute of Technology 8-602			
Contract No. DAC49-67-C-0031			
AREA		SAMPLE NO. 119	
BORING NO.	DEPTH	DATE	
LL	27	PL	15
PI	12		
DESCRIPTION McComick Ranch Sand			
Triaxial-Cycle Shear 2.75X			

WATER CONTENT	W	10.75	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	83.90	%
DRY DENSITY	$\gamma_d$	124.00	PCF
WET DENSITY	$\gamma$	137.32	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.47	CM

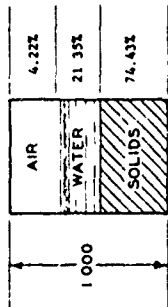


### HYDROSTATIC COMPRESSION PHASE

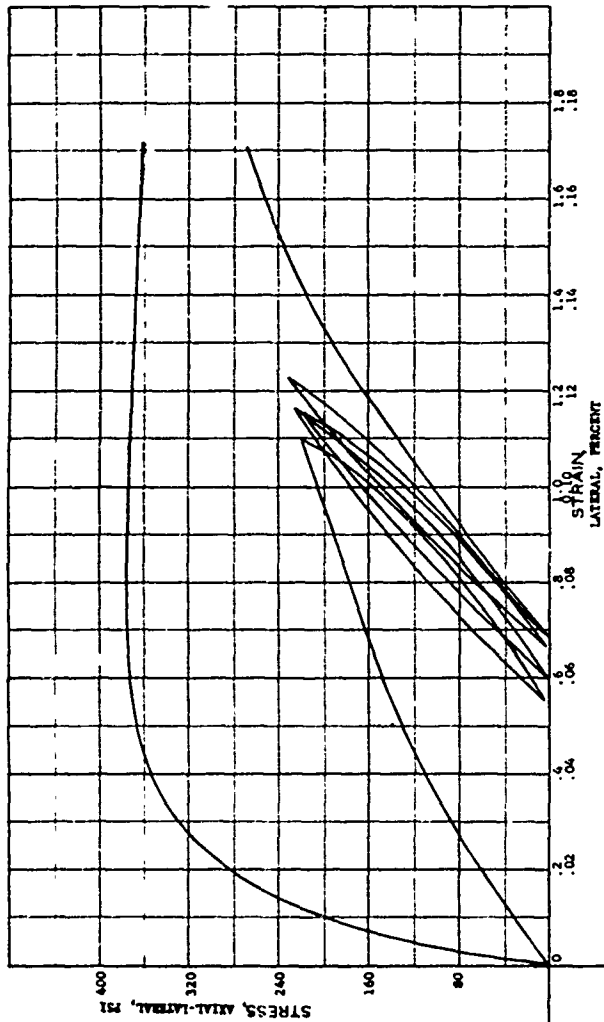


PROJECT Georgia Institute of Technology 8-602			
Contract No. DMC-39-67-C-0031			
AREA			
BORING NO.	SAMPLE NO. 12A		
DEPTH	DATE		
EL			
LL 27	PL 15	PI 12	
DESCRIPTION McGraw-Hill Marsh Sand			
Triaxial Test-Cyclic @ 725			

WATER CONTENT	W	10.75	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	83.50	%
DRY DENSITY	$\gamma_d$	124.00	PCF
WET DENSITY	$\gamma$	137.32	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.67	CM



### HYDROSTATIC COMPRESSION PHASE

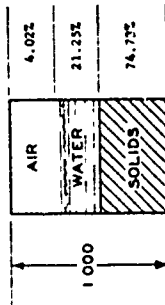


HYDROSTATIC PRESSURE, P, PSI

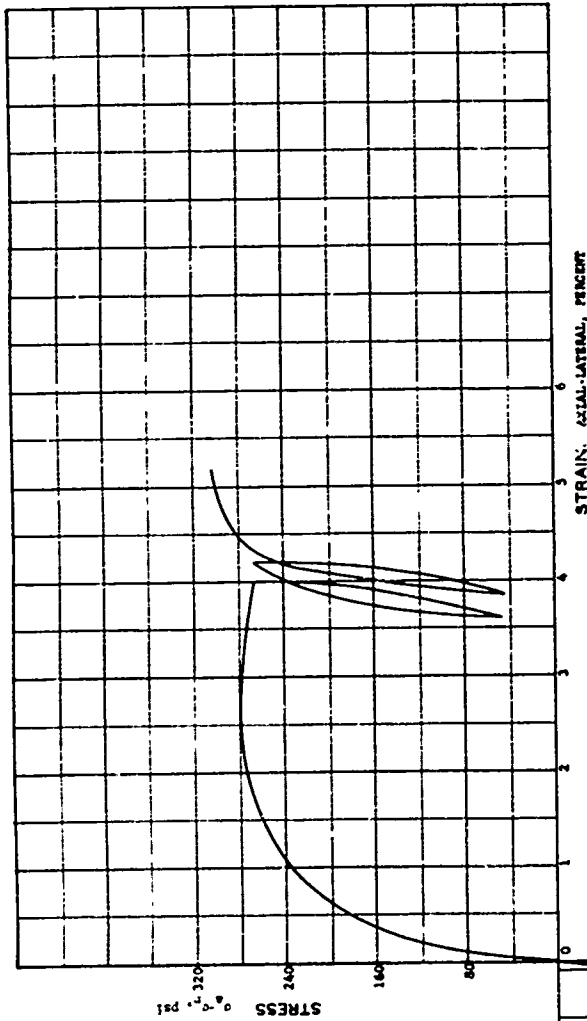
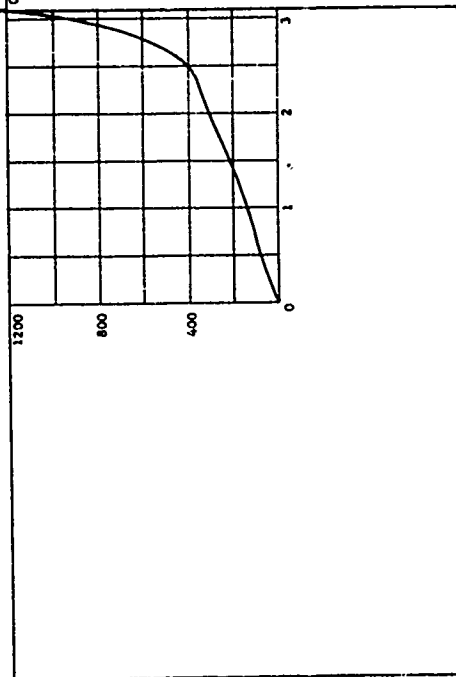
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT <u>Georgia Institute of Technology B-602</u>			
Contract No. <u>DACA39-67-C-0031</u>			
AREA		SAMPLE NO. <u>124</u>	
BORING NO.	DEPTH	DATE	
LL	27	PL	15
PL	15	P1	12
DESCRIPTION <u>McCormick Ranch Sand</u>			
<u>Triaxial Test Cycle of 731</u>			

WATER CONTENT	W	10.65 %
VOID RATIO	$e_0$	0.34
SATURATION	$S_0$	84.11 %
DRY DENSITY	$\gamma_d$	124.50 PCF
WET DENSITY	$\gamma$	137.76 PCF
specific GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.34 CM

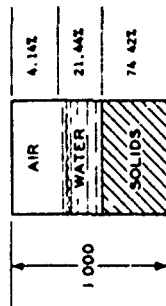


### HYDROSTATIC COMPRESSION PHASE

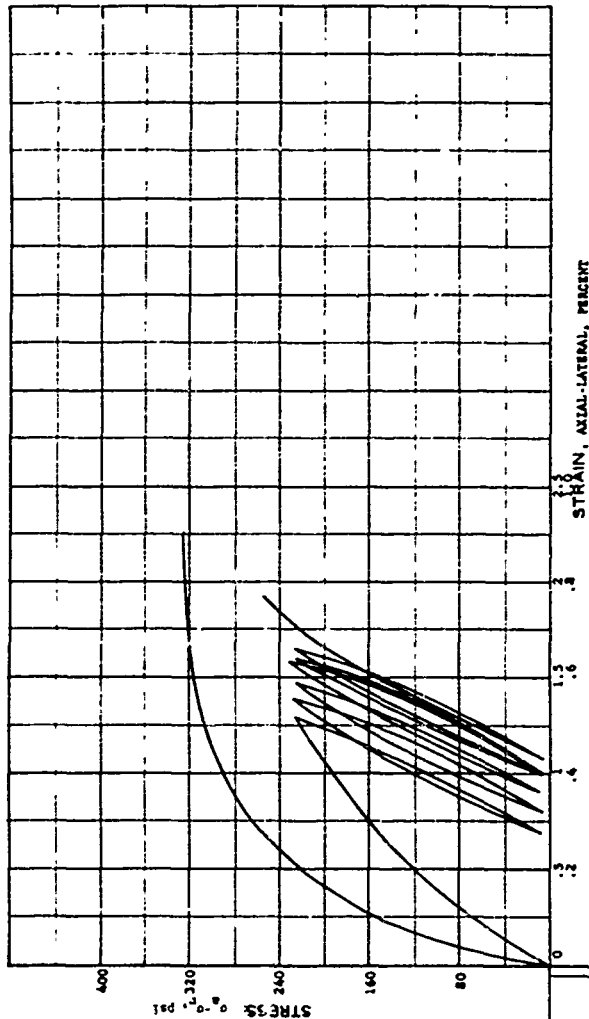
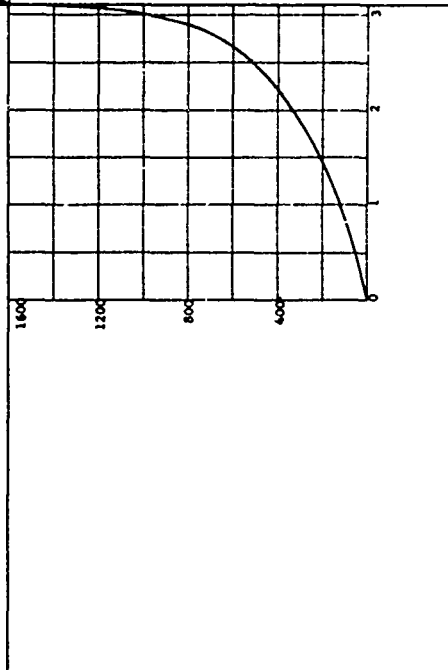


PROJECT Ga Tech B-6021		CONTRACT NO. DAC39-67-C-0031	
AREA	BORING NO.	SAMPLE NO.	144
DEPTH	DATE	PL	12
EL	PL	13	12
DESCRIPTION McComick Ranch Sand			
Triaxial-Cycle Shear 9 75%			

WATER CONTENT	W	10.79	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	83.80	%
DRY DENSITY	$\gamma_d$	123.99	PCF
WET DENSITY	$\gamma$	137.36	PCF
SPECIFIC GRAVITY	$G_s$	2.6	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



### HYDROSTATIC COMPRESSION PHASE

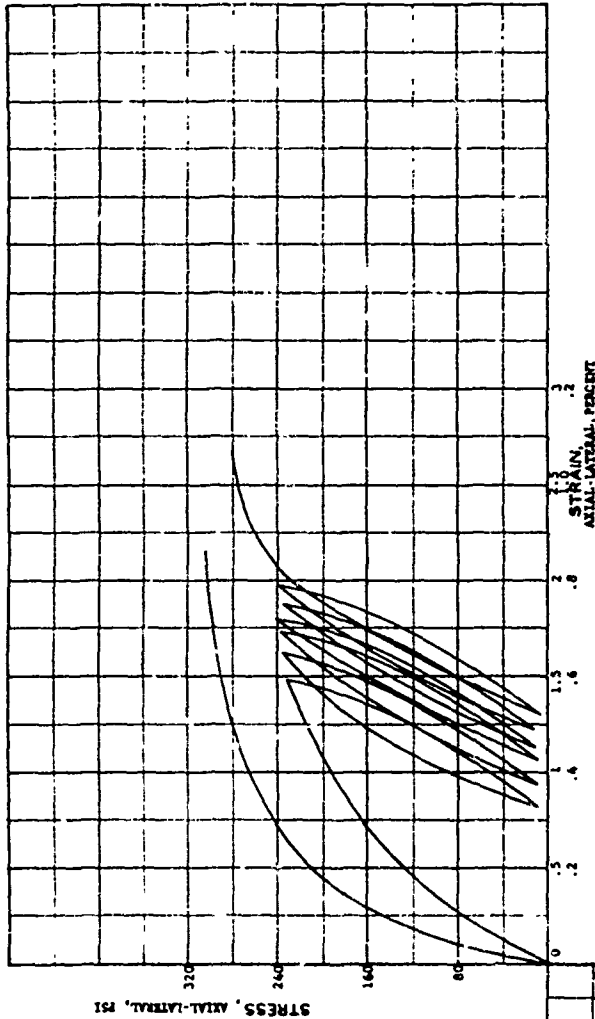
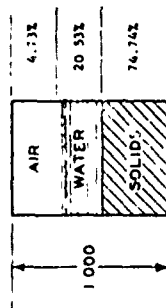


HYDROSTATIC PRESSURE, P, PSI

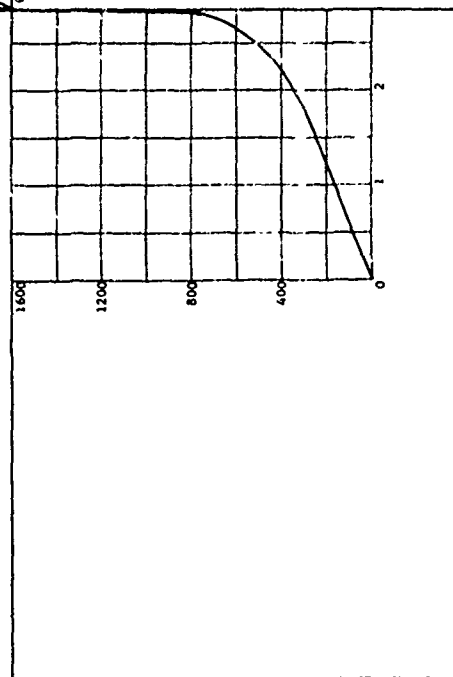
PROJECT		Georgia Institute of Technology	
Contract No.		DCA39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO. 102		
DEPTH	DATE		
EL			
LL	27	PL	15
			PI 12
DESCRIPTION		McComick Sand	
		Triaxial-Cycle Shear @ 75%	

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	10.29 %
VOID RATIO	$e_0$	0.34
SATURATION	$S_0$	81.25 %
DRY DENSITY	$\gamma_d$	124.52 PCF
WET DENSITY	$\gamma$	137.33 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.53 CM



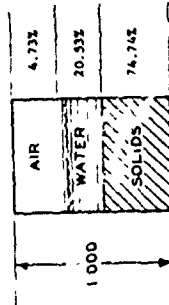
### HYDROSTATIC COMPRESSION PHASE



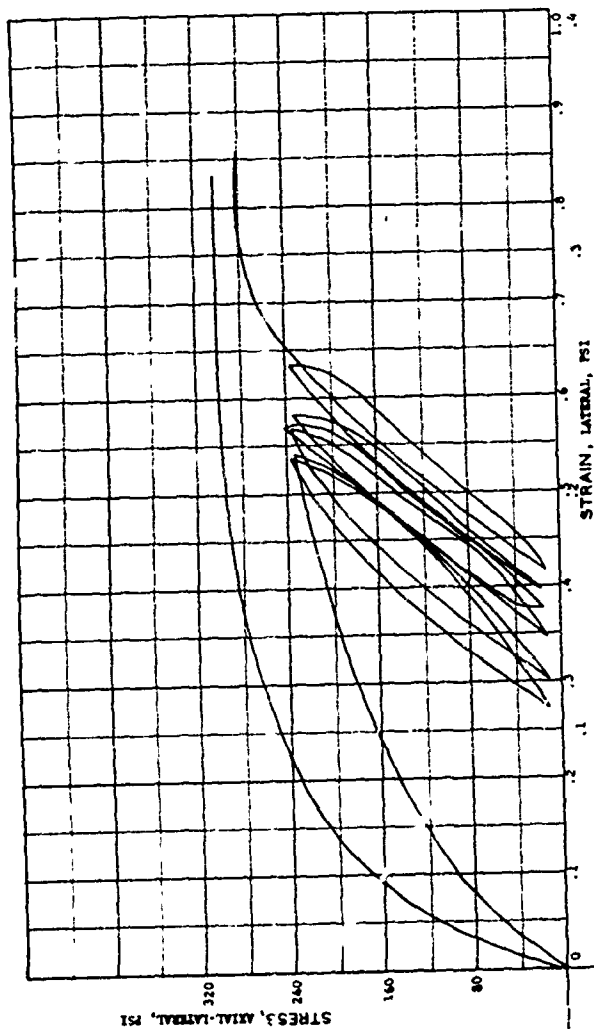
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology B. 602			
Contract No. DAC39-67-C-0031			
AREA	SAMPLE NO. 103		
BORING NO.	DATE		
DEPTH	27	PL	12
EL	PL		
DESCRIPTION McCormick Ranch Sand			
Triaxial Cyclic @ 75%			
Lateral Pressure, 1600 psi			

WATER CONTENT	%	10.29	%
VOID RATIO	$e_0$	1.34	
SATURATION	$S_r$	81.28	%
DRY DENSITY	$\gamma_d$	125.32	PCF
WET DENSITY	$\gamma$	137.33	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



# HYDROSTATIC COMPRESSION PHASE



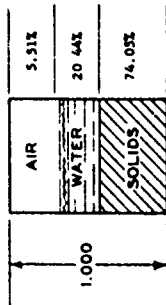
HYDROSTATIC PRESSURE, P, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

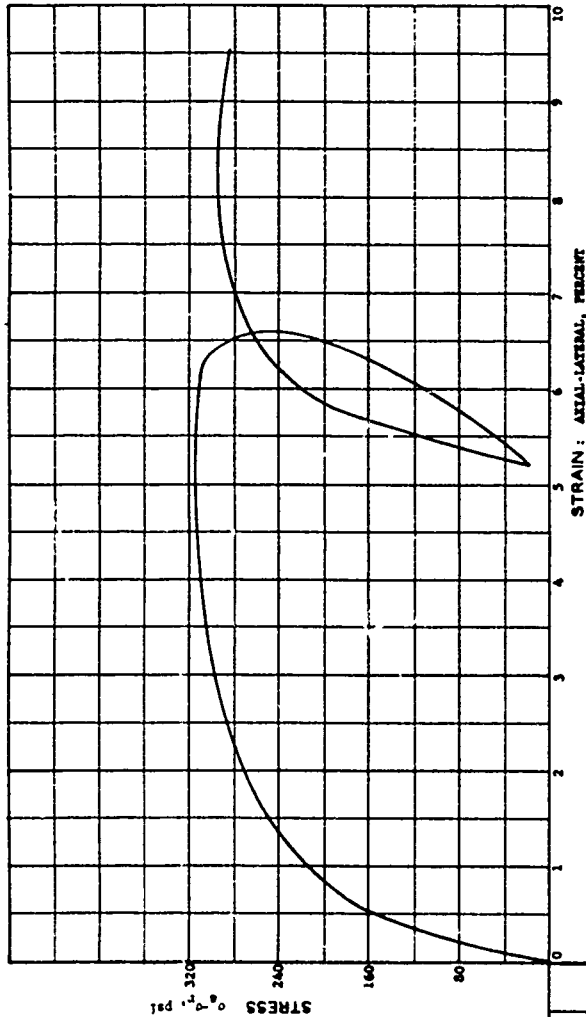
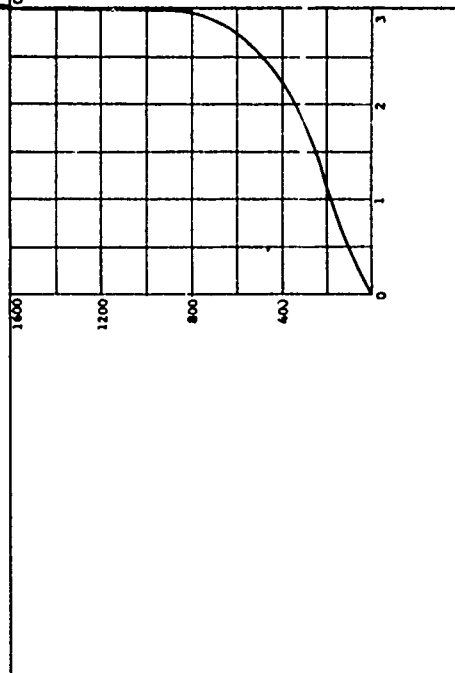
PROJECT Georgia Institute of Technology B-602			
Contract No. DAC39-67-C-0031			
AREA			
BORING NO.	SAMPLE NO. 103		
DEPTH	DATE		
EL	PL	PL	PI
LL	27	15	12
DESCRIPTION McCormick Beach Sand			
Triaxial Cyclic Q 75%			
Lateral Pressure, 1600 PSI			



WATER CONTENT	W	10.34	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	78.78	%
DRY DENSITY	$\gamma_d$	123.37	PCF
WET DENSITY	$\gamma$	136.13	PCF
SEC "C" GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.52	CM

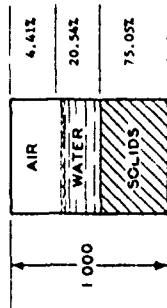


### HYDROSTATIC COMPRESSION PHASE

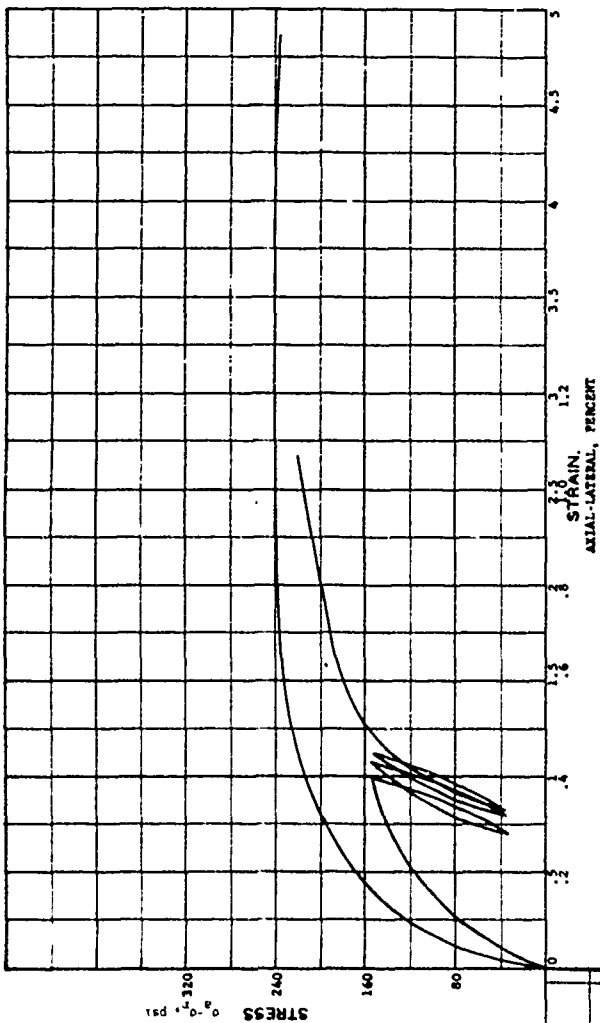
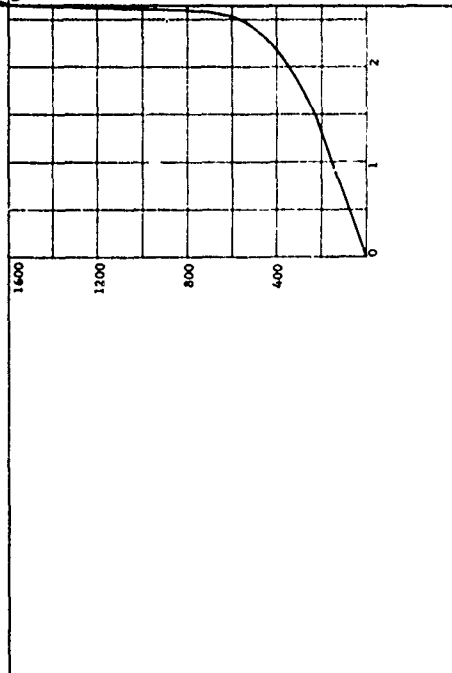


PROJECT <u>GA Tech 8-602</u>			
Contract No. <u>DMA39-47-C-0031</u>			
AREA			
BORING NO.	SAMPLE NO. <u>140</u>		
DEPTH	DATE		
EL	PL	13	PI 12
DESCRIPTION <u>N-Cornick Ranch Sand</u>			
<u>Triaxial-Cycle Shear @ 75%</u>			

WATER CONTENT	W	10.25 %
VOID RATIO	$e_0$	0.33
SATURATION	$S_0$	82.33 %
DRY DENSITY	$\gamma_d$	125.04 PCF
WET DENSITY	$\gamma$	137.86 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.55 CM

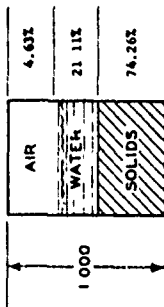


### HYDROSTATIC COMPRESSION PHASE

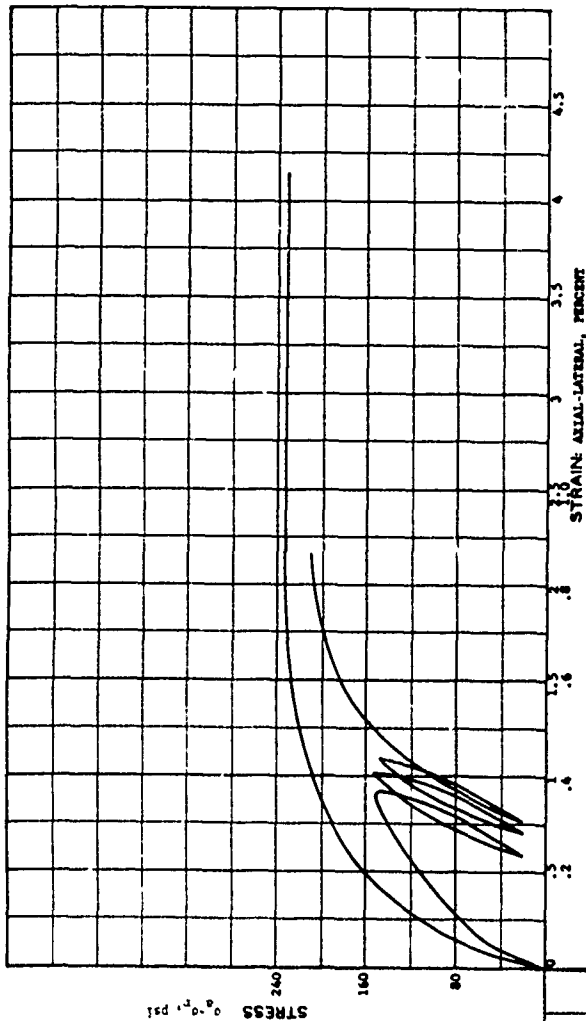
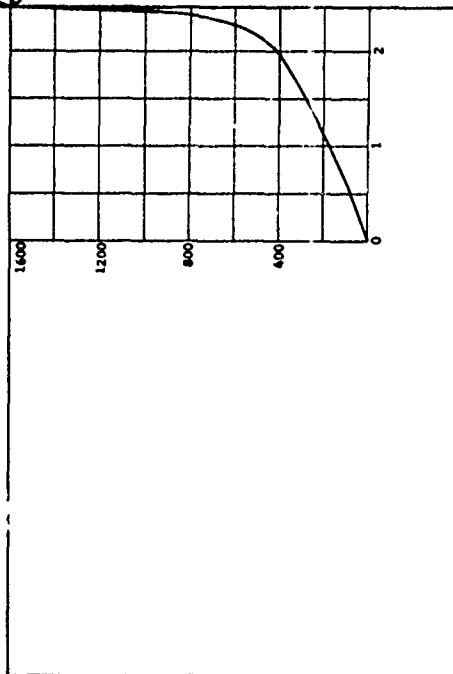


PROJECT Georgia Institute of Technology B-602			
Contract No. DAC49-67-C-0031			
AREA		SAMPLE NO 141	
BORING NO.	DEPTH	DATE	
LL 27	PL 15	P1 12	
DESCRIPTION McCumuck Branch Sand			
Triaxial-Cycle Sheet 752			

WATER CONTENT	W	10.65 %
VOID RATIO	$e_0$	0.35
SATURATION	$S_0$	82.02 %
DRY DENSITY	$\gamma_d$	123.72 PCF
WET DENSITY	$\gamma$	136.89 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.53 CM



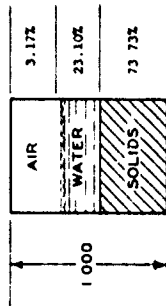
### HYDROSTATIC COMPRESSION PHASE



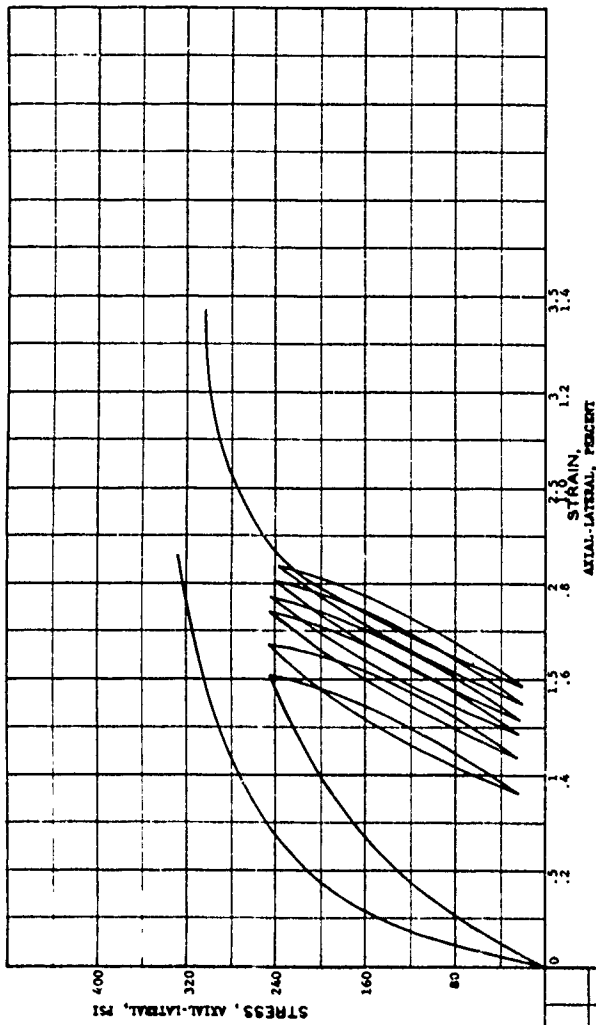
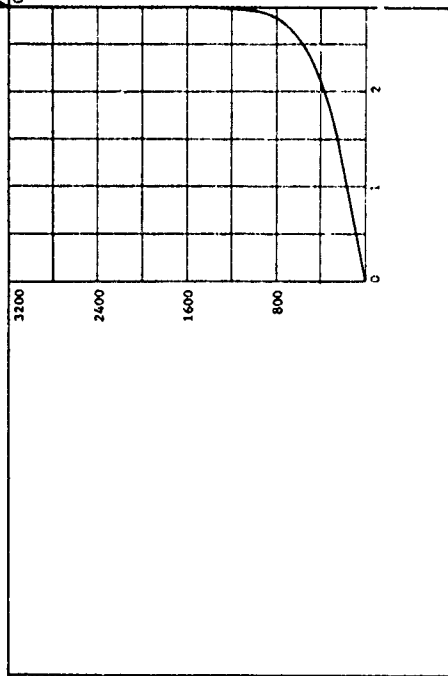
PROJECT		Georgia Institute of Technology B-602	
		Contract No. DMC139-67-C-0051	
AREA			
BORING NO.	SAMPLE NO.	148	
DEPTH	DATE		
LL	PL	15	P1 12
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cycle Shear @ 75%			

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	11.73	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	87.94	%
DRY DENSITY	$\gamma_d$	122.85	PCF
WET DENSITY	$\gamma$	137.26	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.52	CM

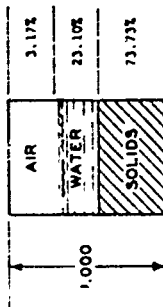


### HYDROSTATIC COMPRESSION PHASE

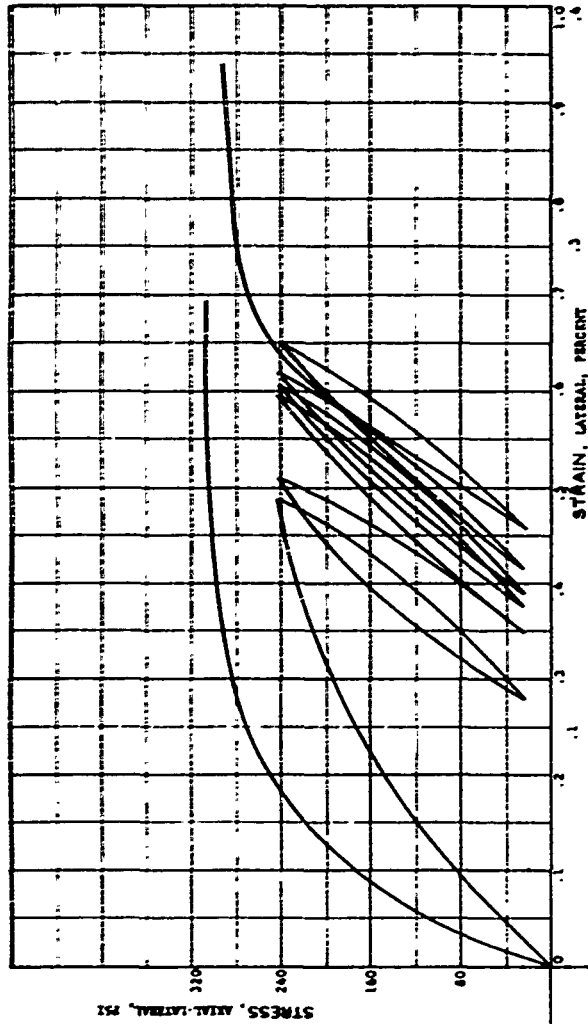


PROJECT Georgia Institute of Technology B-602			
Contract No. DMCA39-67-C-0051			
AREA			
BORING NO	SAMPLE NO 104		
DEPTH	DATE		
EL	PL	PI	12
DESCRIPTION McCormick Ranch Sand			
Triaxial Cyclic @ 75%			
Lateral Pressure, 3200 psi			

WATER CONTENT	W	11.73 %
VOID RATIO	$e_0$	0.36
SATURATION	$S_0$	87.94 %
DRY DENSITY	$\gamma_d$	122.85 PCF
WET DENSITY	$\gamma$	137.26 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.31 CM
SPECIMEN HEIGHT	$H_0$	7.32 CM



# HYDROSTATIC COMPRESSION PHASE

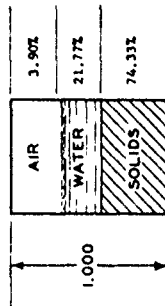


HYDROSTATIC PRESSURE, P, PSI

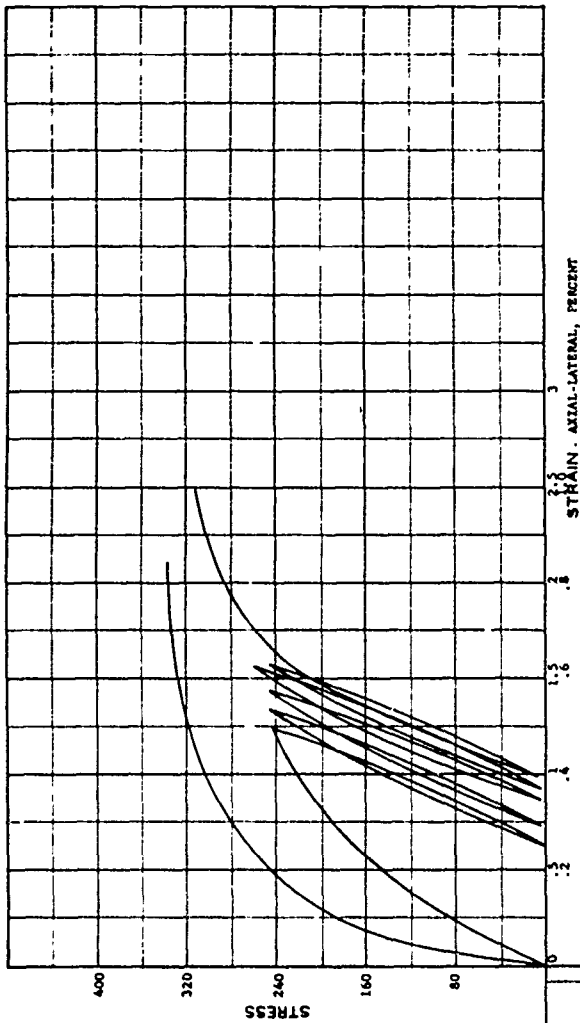
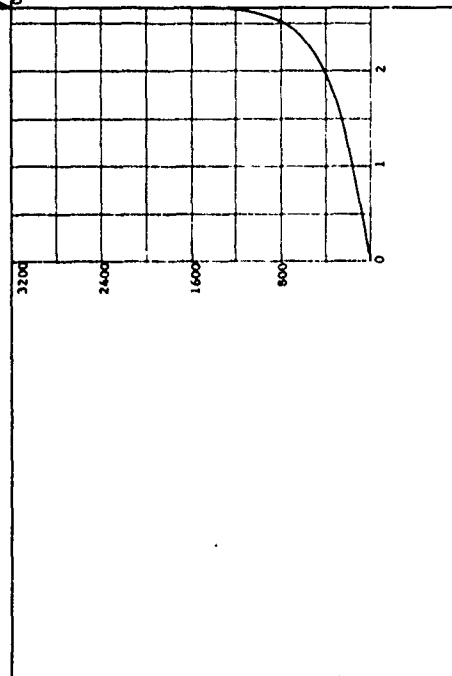
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology R-402			
Contract No. DCAJ39-67-C-0031			
AREA		SAMPLE NO. 104	
BORING NO.	DEPTH	DATE	
EL	PL	PL	12
LL	27	PL	15
DESCRIPTION McCormick Ranch Sand			
Triaxial Cyclic @ 73%			
Lateral Pressure, 3200 psi			

WATER CONTENT	W	10.97	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	84.81	%
DRY DENSITY	$\gamma_d$	123.83	PCF
WET DENSITY	$\gamma$	137.42	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM

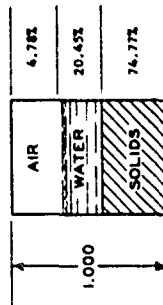


### HYDROSTATIC COMPRESSION PHASE

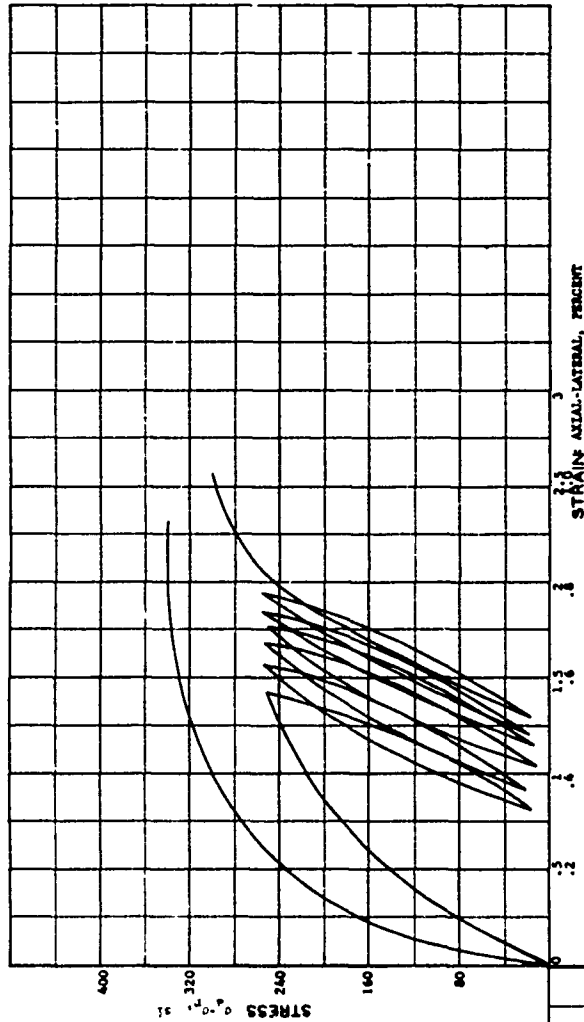
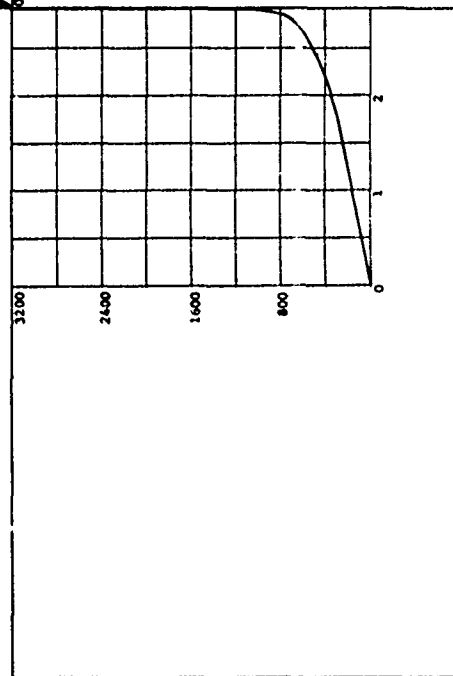


PROJECT Georgia Institute of Technology S-602			
Contract No. DACW39-67-G-0051			
AREA	SAMPLE NO. 105A		
BORING NO.	DATE		
DEPTH	PL	15	PI 12
EL	DESCRIPTION McCormick Ranch Sand		
LL	Triaxial-Cycle Shear @ 75%		

WATER CONTENT	W	10.26	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	81.04	%
DRY DENSITY	$\gamma_d$	124.56	PCF
WET DENSITY	$\gamma$	137.32	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.52	CM



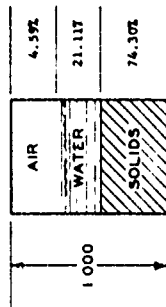
### HYDROSTATIC COMPRESSION PHASE



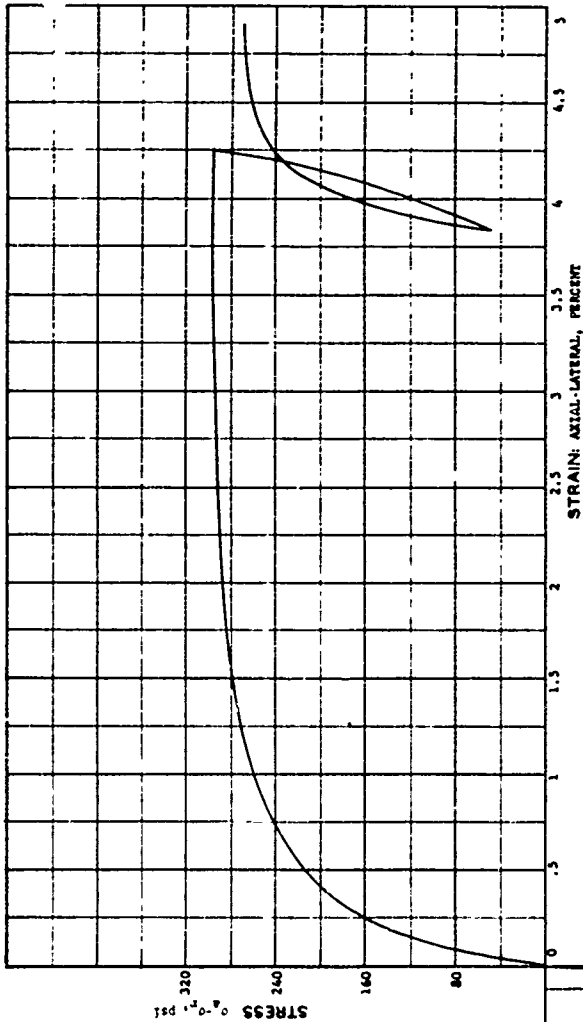
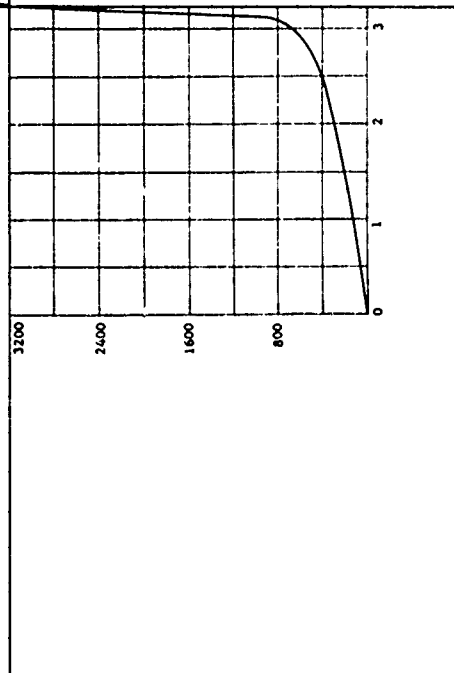
HYDROSTATIC PRESSURE, p, PSI

PROJECT Georgia Institute of Technology 8-402			
Contract No. DAC39-67-C-0031			
AREA		SAMPLE NO. 1038	
BORING NO.	DEPTH	DATE	
LL 27	PL 15	P1	12
DESCRIPTION McCormick Ranch Sand			
Tetral-Cycle Shear @ 75%			

WATER CONTENT	W	10.64 %
VOID RATIO	$e_0$	0.35
SATURATION	$S_0$	82.15 %
DRY DENSITY	$\gamma_d$	123.80 PCF
WET DENSITY	$\gamma$	136.97 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.52 CM



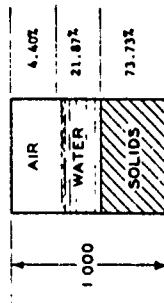
### HYDROSTATIC COMPRESSION PHASE



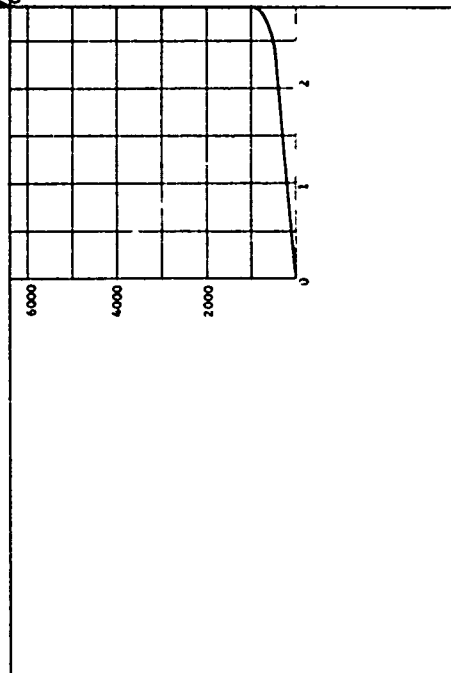
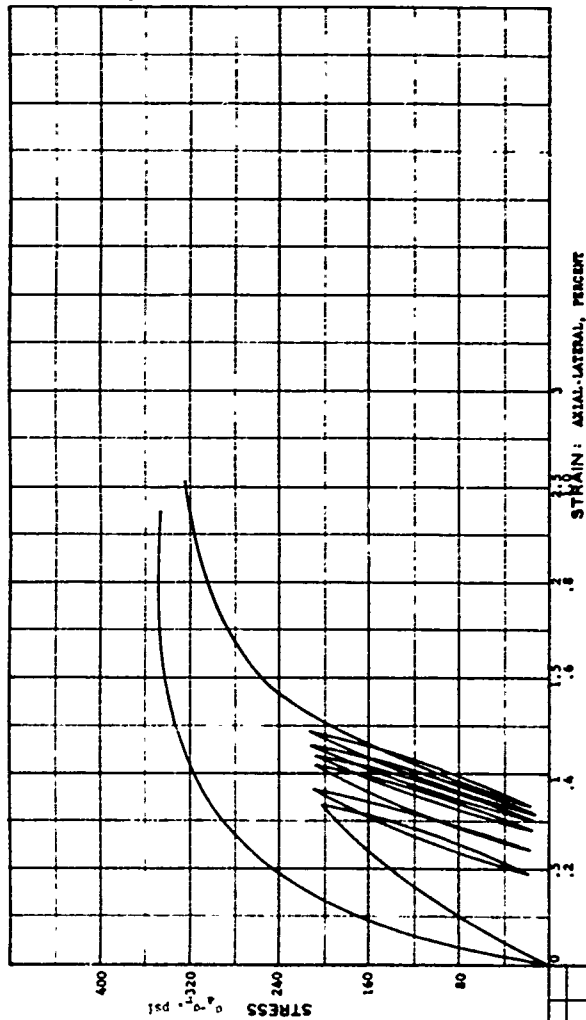
PROJECT Georgia Institute of Technology 8-602			
Contract No. DACW39-67-C-0031			
AREA	BORING NO.	SAMPLE NO.	DATE
	27	13	PL 12
DESCRIPTION McCormick Ranch Sand			
Triaxial-Cycle Shear 2 733			



WATER CONTENT	W	11.11 %
VOID RATIO	$e_0$	0.36
SATURATION	$S_0$	83.24 %
DRY DENSITY	$\gamma_d$	122.83 PCF
WET DENSITY	$\gamma$	136.48 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.54 CM

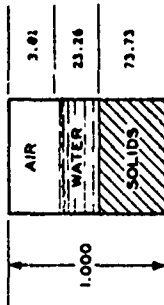


### HYDROSTATIC COMPRESSION PHASE

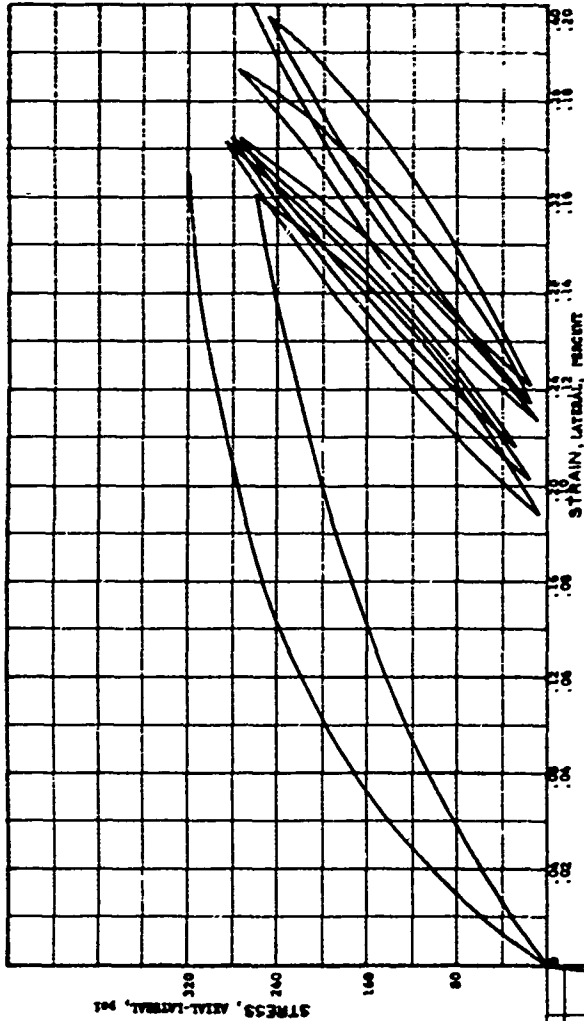
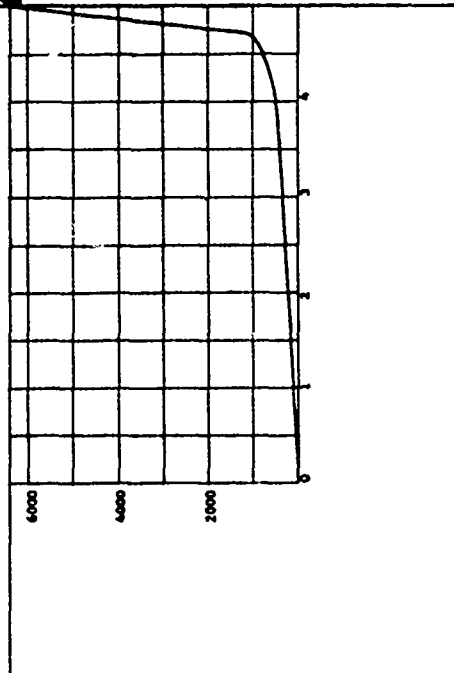


PROJECT - Georgia Institute of Technology J-402			
Contract No. DACW39-67-C-0031			
AREA	SAMPLE NO. 80		
BORING NO.	DATE		
DEPTH	PL 15		
EL	PI 12		
LL	PL 15		
DESCRIPTION - McCordick Marsh Sand			
Triaxial Cycle Shear Q 735			

WATER CONTENT	W	11.82 %
VOID RATIO	$e_0$	0.36
SATURATION	$S_0$	88.55 %
DRY DENSITY	$\gamma_d$	122.84 PCF
WET DENSITY	$\gamma$	137.36 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.53 CM



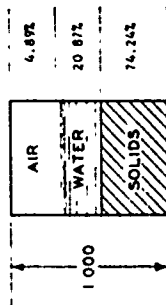
### HYDROSTATIC COMPRESSION PHASE



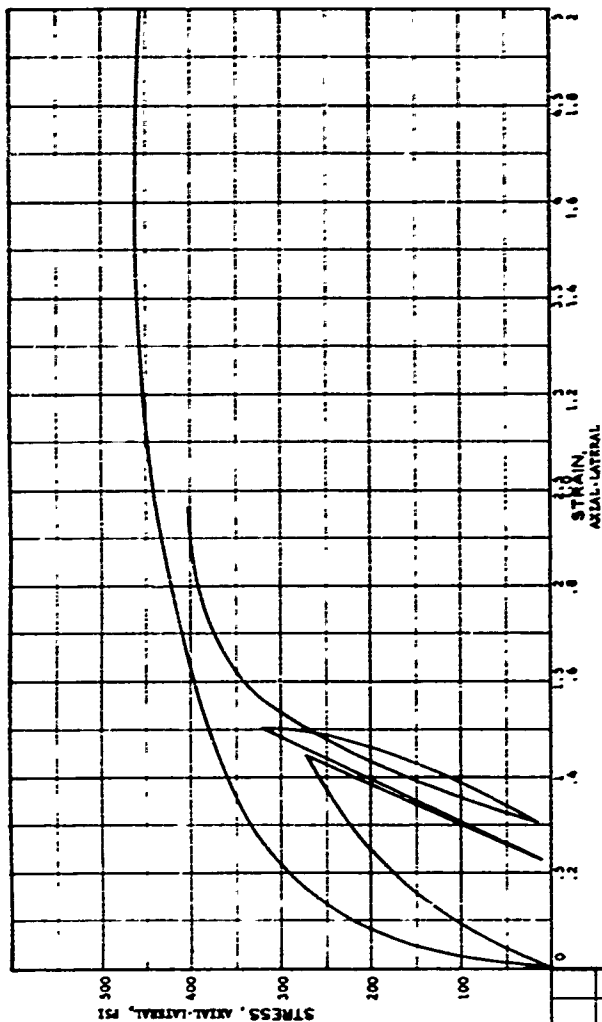
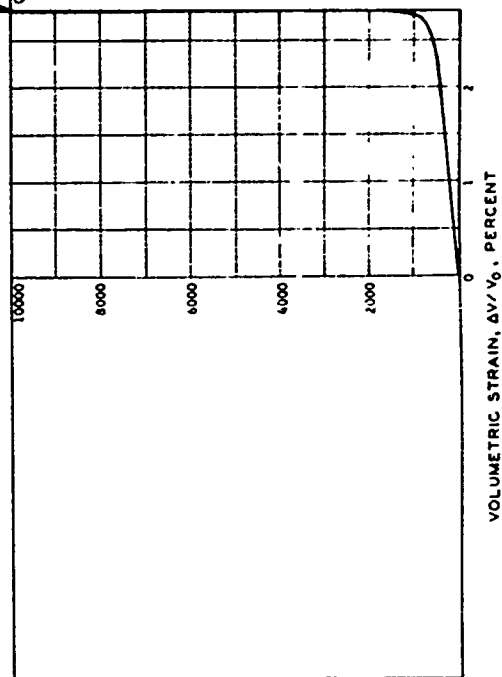
PROJECT <u>Georgia Institute of Technology 8-492</u>			
Contract No. <u>DCA39-47-S-0031</u>			
AREA		SAMPLE NO. <u>82</u>	
BORING NO.	DEPTH	DATE	
EL	PL	PL	PL
LL	27	15	12
DESCRIPTION <u>McComick Marsh Sand</u>			
<u>Triaxial Cell No. 758</u>			
Lateral Pressure, 6400 psi			

HYDROSTATIC PRESSURE, P, PSI

WATER CONTENT	W	10.53 %
VOID RATIO	$e_0$	0.35
SATURATION	$S_0$	81.03 %
DRY DENSITY	$\gamma_d$	123.70 PCF
WET DENSITY	$\gamma$	136.72 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.55 CM

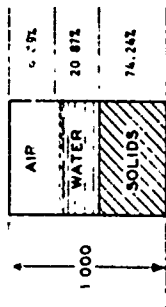


### HYDROSTATIC COMPRESSION PHASE

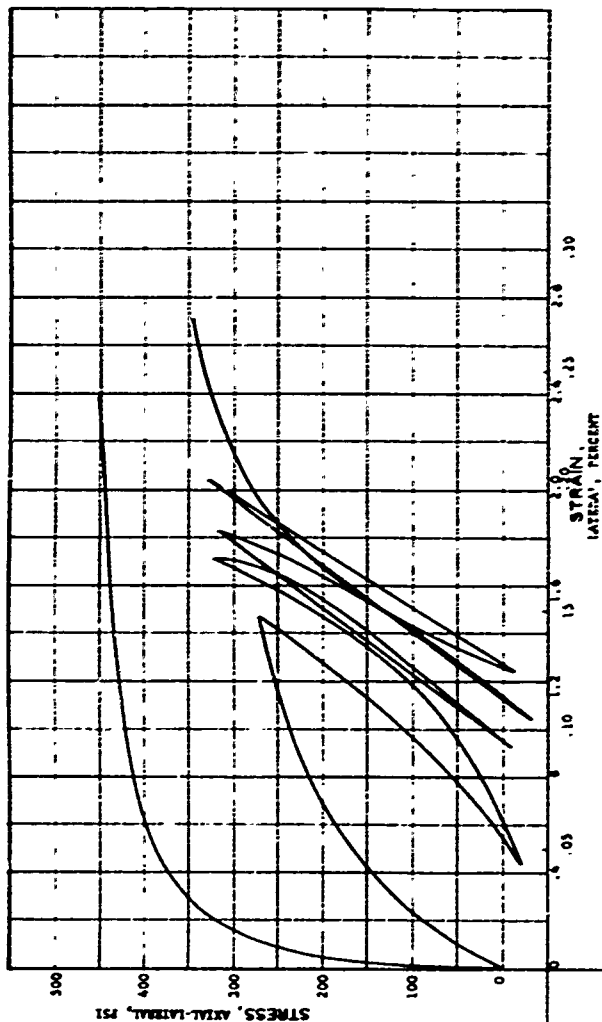


PROJECT: Geotechnical Institute of Technology, B-602			
Contract No. DACW39-67-C-0031			
AREA	SAMPLE NO. 7A	DATE	
BORING NO.	DEPTH	PL 15	PI 12
EL			
DESCRIPTION: McCombs Ranch Sand			
Triaxial Cycle 3/75			
Laboratory Pressure: 10,000 psi			

WATER CONTENT	W	10.53	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	81.03	%
DRY DENSITY	$\gamma_d$	133.70	PCF
WET DENSITY	$\gamma$	136.72	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.55	CM



### HYDROSTATIC COMPRESSION PHASE



HYDROSTATIC PRESSURE, P, PSI

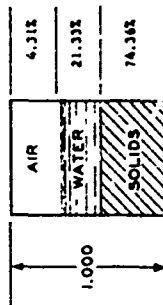
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology 8-002  
Contract No. DACW39-67-G-0031

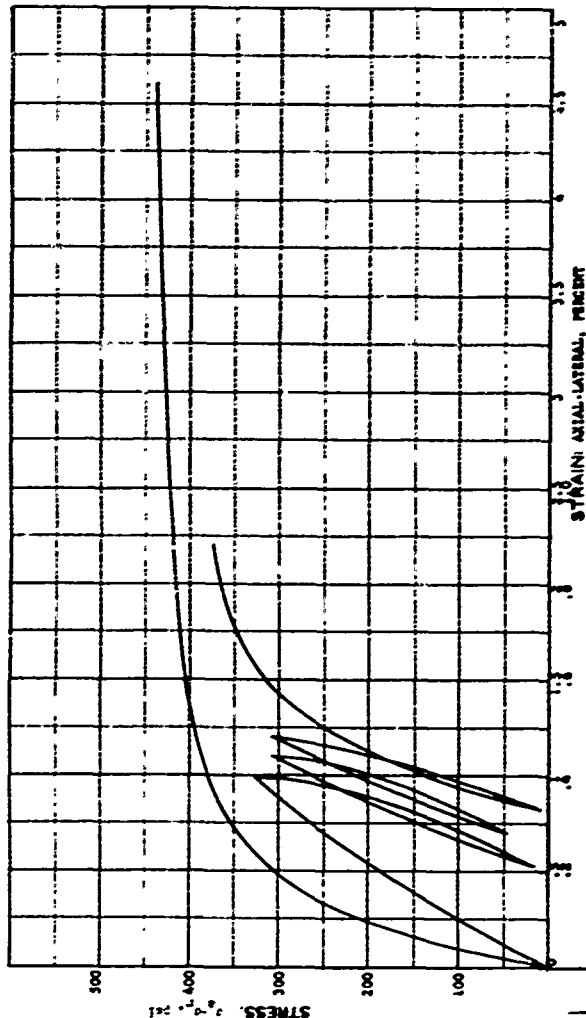
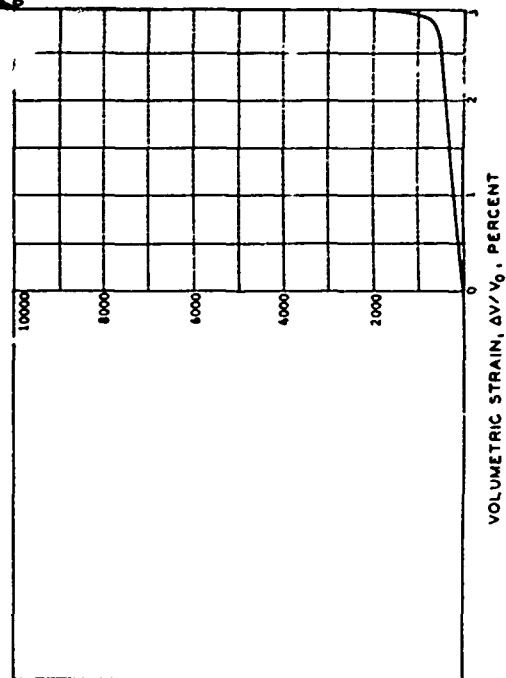
AREA \_\_\_\_\_ SAMPLE NO. 16  
BORING NO. \_\_\_\_\_ DATE \_\_\_\_\_  
DEPTH \_\_\_\_\_ PL 13 P1 12  
EL \_\_\_\_\_

DESCRIPTION McCumbech Ranch, Sand.,  
Triaxial Cycle # 73K  
Lateral Pressure, 10,000 psi

WATER CONTENT	W	10.74 %
VOID RATIO	$e_0$	0.34
SATURATION	$S_0$	83.20 %
DRY DENSITY	$\gamma_d$	123.89 PCF
WET DENSITY	$\gamma$	137.20 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.53 CM

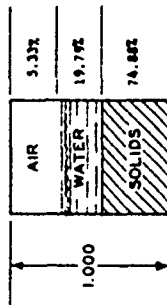


### HYDROSTATIC COMPRESSION PHASE

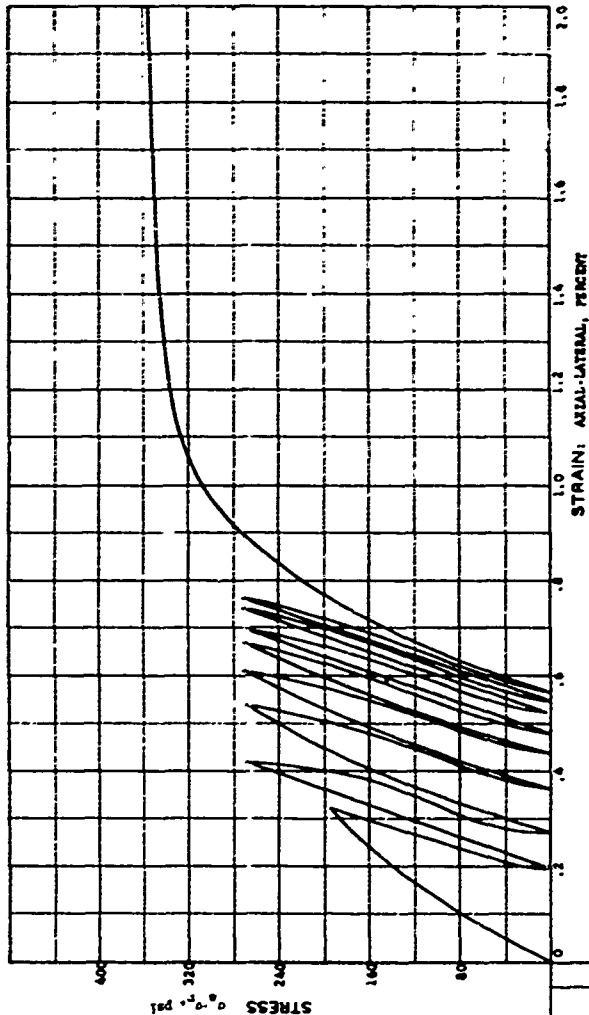
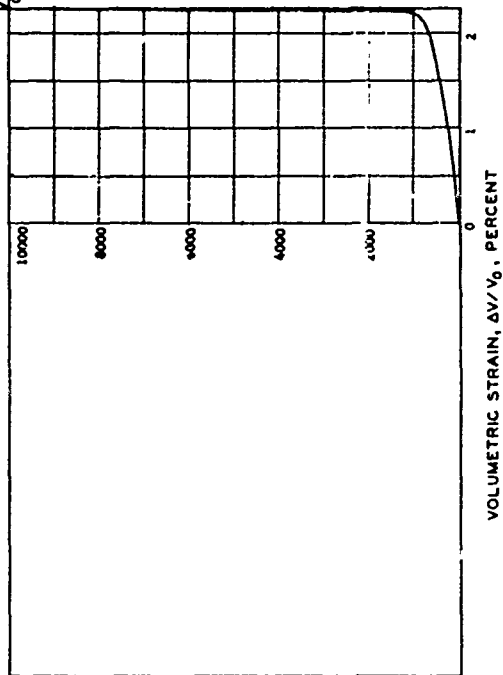


PROJECT - Georgia Institute of Technology, B-900			
Contract No. DCA39-67-C-0031			
AREA	SAMPLE NO. 78	DATE	
BORING NO.	DATE	PL 13	PL 12
DEPTH	DATE	PL 12	
LL	27	PL 12	
DESCRIPTION - McComish Benth. 280L			
Triaxial-Cycle shear Q. 233			

WATER CONTENT	W	9.90	%
VOID RATIO	$e_0$	0.33	
SATURATION	$S_0$	78.78	%
DRY DENSITY	$\gamma_d$	124.76	PCF
WET DENSITY	$\gamma$	137.11	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.54	CM

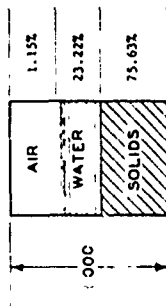


### HYDROSTATIC COMPRESSION PHASE

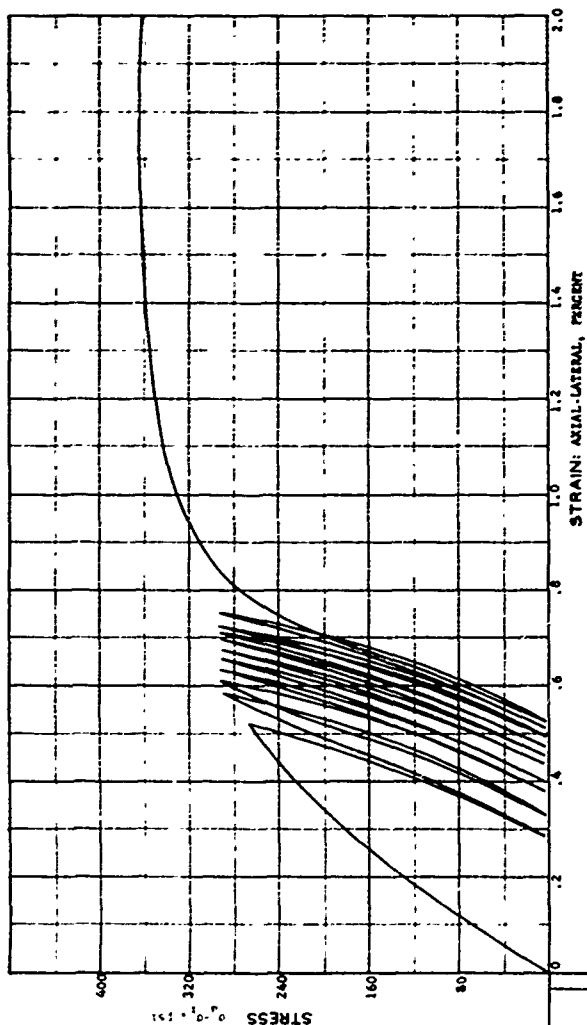
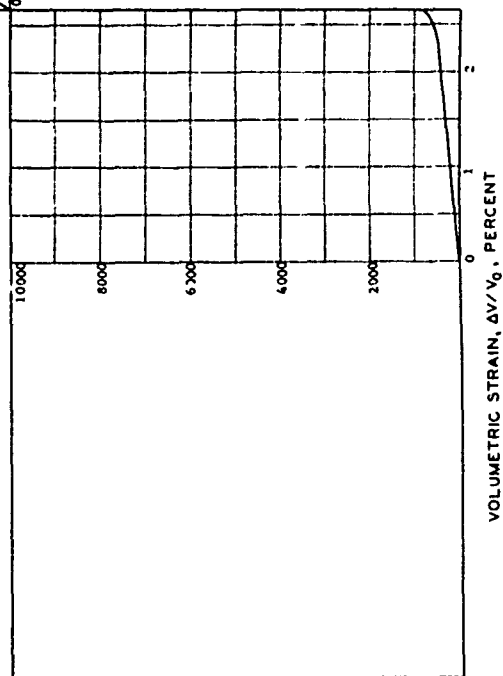


PROJECT Georgia Institute of Technology	
Contract No. DMCN(87)5-0031	
AREA	
BORING NO.	SAMPLE NO. 79
DEPTH	DATE
LL 27	PL 13
PL 13	PL 13
DESCRIPTION McCowich Ranch Sand	
Terminal Cycle Number 138	

WATER CONTENT	W	11.50	%
VOID RATIO	$e_0$	0.32	
SATURATION	$S_0$	95.31	%
DRY DENSITY	$\gamma_d$	126.01	PCF
WET DENSITY	$\gamma$	140.50	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.47	CM
SPECIMEN HEIGHT	$H_0$	7.54	CM



### HYDROSTATIC COMPRESSION PHASE



PROJECT		Georgia Institute of Technology R-602	
Contract No.		DACW39-67-C-0031	
AREA	BORING NO.	SAMPLE NO.	81
DEPTH	DATE	DATE	
LL	27	PL	13
		P1	12
DESCRIPTION		McComick Ranch Sand	
		Triaxial-Cycle Shear @ 75%	

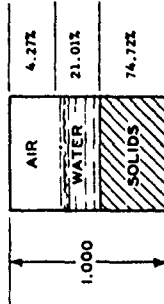
Group D

Constant Ratio Tests

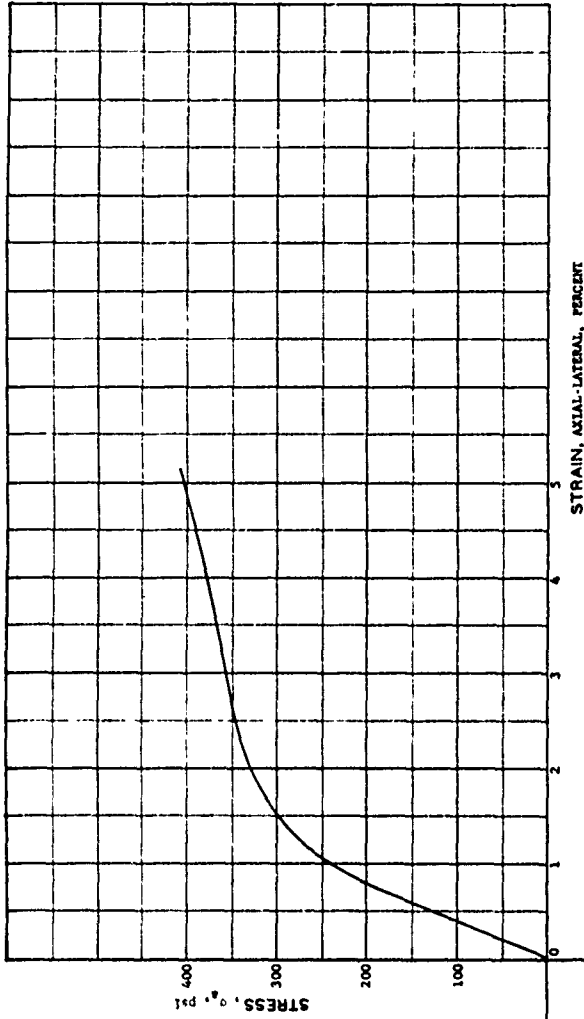
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WATER CONTENT	W	10.53	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	83.11	%
DRY DENSITY	$\gamma_d$	124.48	PCF
WET DENSITY	$\gamma$	137.60	PCF
COEFFICIENT GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.52	CM



### HYDROSTATIC COMPRESSION PHASE



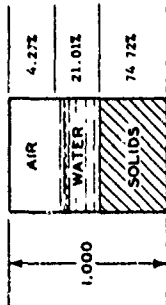
HYDROSTATIC PRESSURE, P, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

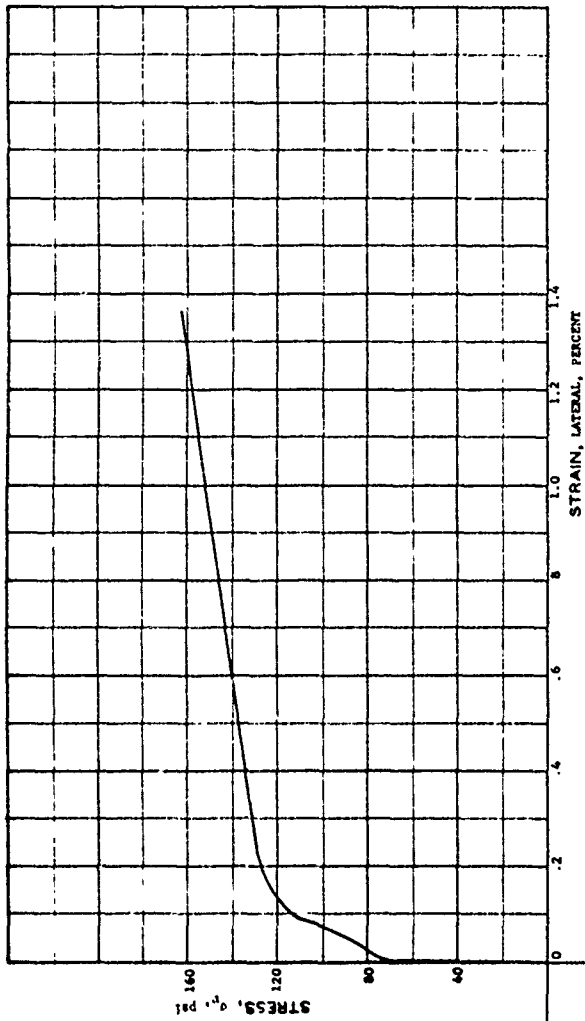
PROJECT		Ga. Tech. B-602	
CONTRACT NO.		DACA39-67-C-0051	
AREA			
BORING NO.	SAMPLE NO.	158	
DEPTH	DATE		
EL	PL	15	PI 12
DESCRIPTION			
McComick Ranch Sand			
Constant Stress Ratio, 0.4			
Initial Pressure, 0 psi			

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WATER CONTENT	W	10.33	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	83.11	%
DRY DENSITY	$\gamma_d$	124.48	PCF
WET DENSITY	$\gamma$	137.60	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.32	CM



### HYDROSTATIC COMPRESSION PHASE

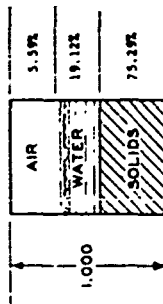


HYDROSTATIC PRESSURE,  $p$ , PSI

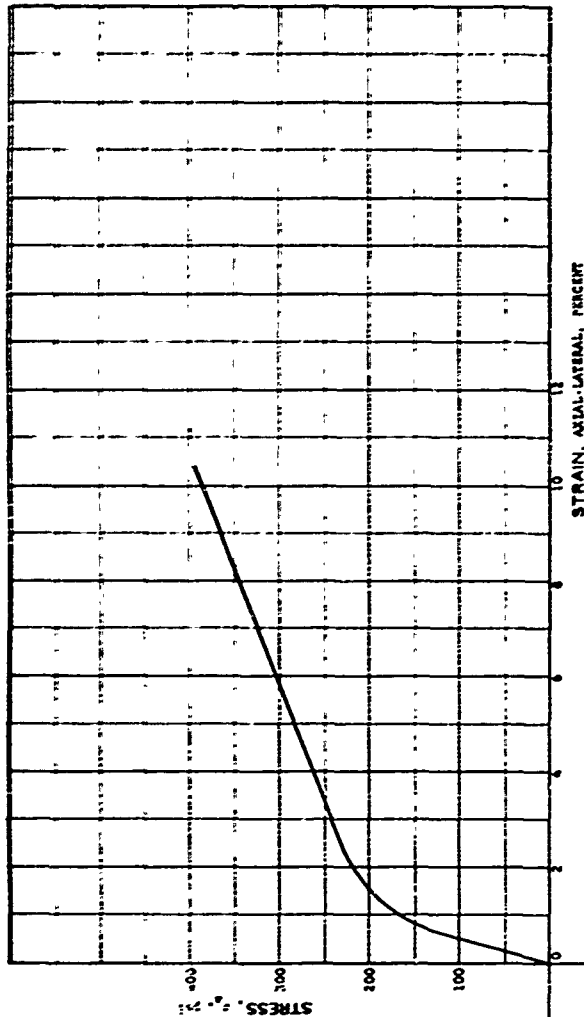
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Ga Tech B-602	
Contract No. DAC49-67-C-0031	
AREA	
BORING NO.	SAMPLE NO. 139
DEPTH	DATE
EL.	
LL 27	PL 15
	PI 12
DESCRIPTION McCormick Ranch Sand	
Constant Stress Ratio, 0.4	
Initial Pressure, 0 psi	

WATER CONTENT	W	9.31	%
VOID RATIO	$e_0$	0.33	
SATURATION	$S_0$	77.35	%
DRY DENSITY	$\gamma_d$	123.45	PCF
WET DENSITY	$\gamma$	137.37	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



# H' DROSTATIC COMPRESSION PHASE

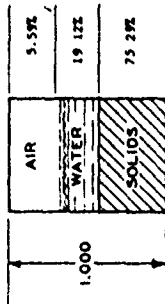


HYDROSTATIC PRESSURE,  $p$ , PSI

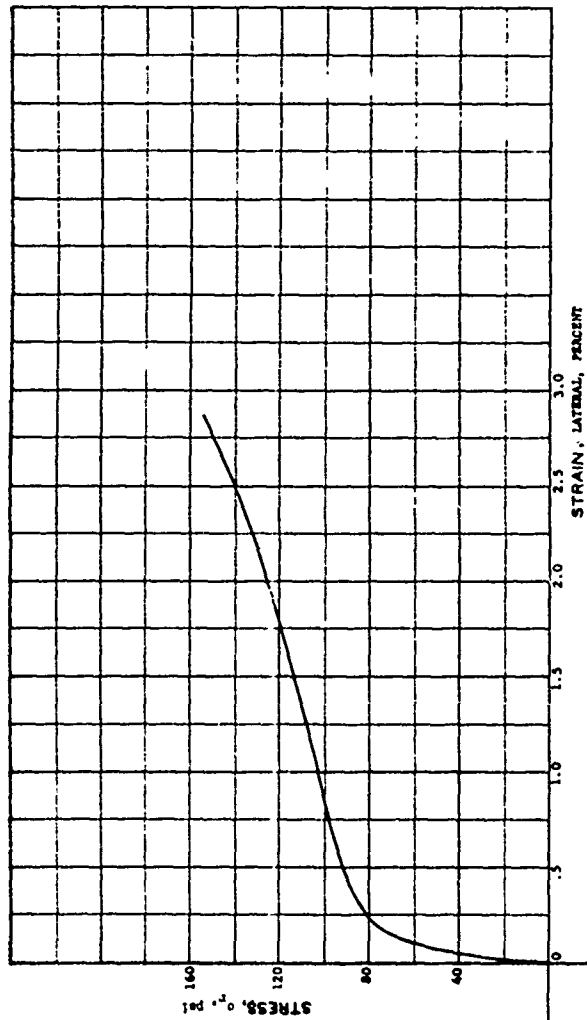
PROJECT		Ga. Tech. B-402	
AREA		Centerline No. 246339.81-C-9031	
BORING NO.	SAMPLE NO.	161	
DEPTH	DATE		
EL.	PL	13	PI 12
DESCRIPTION			
McGowick Ranch Sand			
Constant Stress Ratio, 0.6			
Initial Pressure, 0 psi			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT		W	9.51	%
VOID RATIO		$e_0$	0.33	
SATURATION		$S_0$	77.35	%
DRY DENSITY		$\gamma_d$	123.45	PCF
WET DENSITY		$\gamma$	137.37	PCF
SPECIFIC GRAVITY		$G_s$	2.67	
SPECIMEN DIAMETER		$D_0$	3.50	CM
SPECIMEN HEIGHT		$H_0$	3.50	CM



### HYDROSTATIC COMPRESSION PHASE

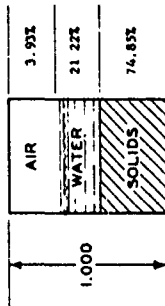


HYDROSTATIC PRESSURE, p, PSI

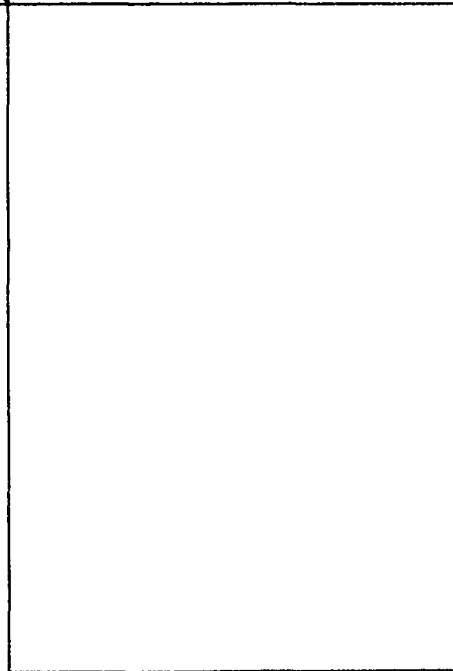
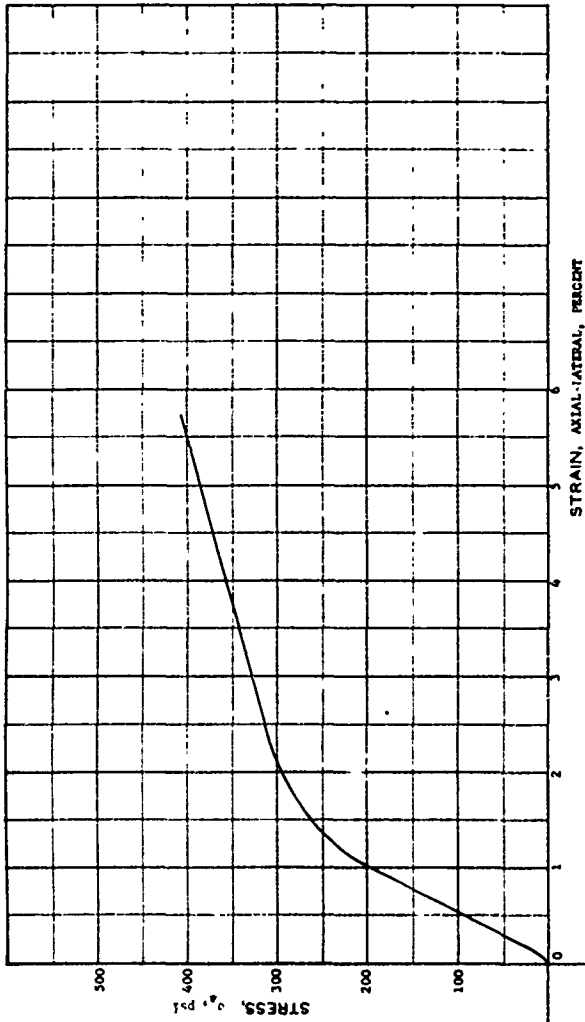
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Ca Tech B-602	
Contract No.		DACA39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	161	
DEPTH	DATE		
EL			
LL	27	PL	15
		P1	12
DESCRIPTION			
McCormick Ranch Sand			
Constant Stress Ratio, 0.4			
Initial Pressure, 0 psi			

WATER CONTENT	W	10.42	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	84.37	%
DRY DENSITY	$\gamma_d$	124.70	PCF
WET DENSITY	$\gamma$	137.94	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.54	CM



# HYDROSTATIC COMPRESSION PHASE

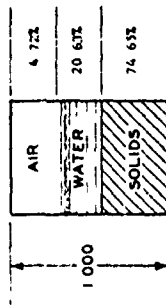


VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

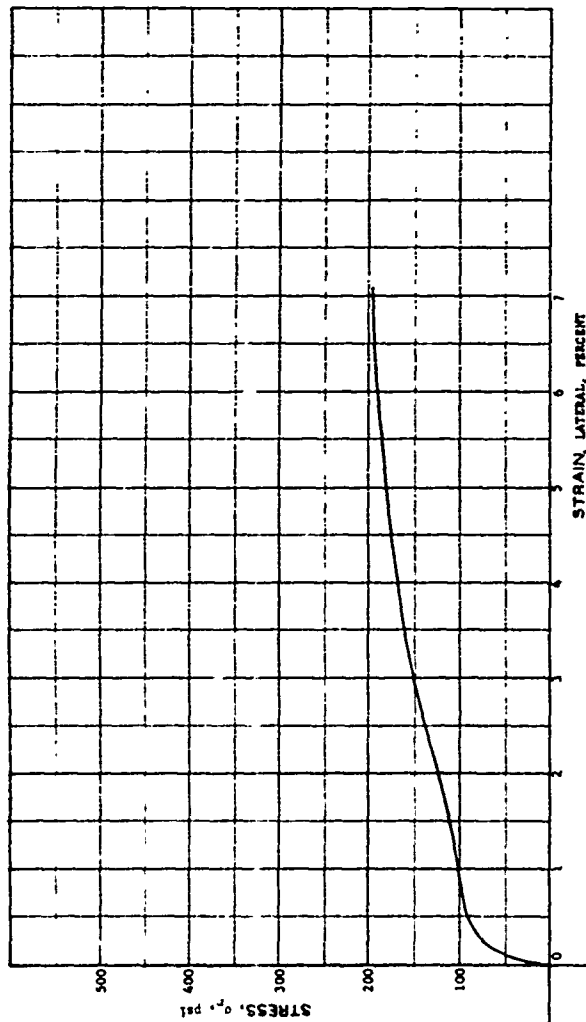
HYDROSTATIC PRESSURE,  $p$ , PSI

PROJECT G4 Tech B-6021		Contract No. DMC39-67-C-0031	
AREA	SAMPLE NO. 102	DATE	PL 12
BORING NO.	DEPTH	DATE	PL 12
LL 27	PL 15	PL 12	
DESCRIPTION McCombs Ranch Sand			
Constant Stress Ratio, 0.5; Initial Pressure, 0 at			

WATER CONTENT	W	10.33	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	81.37	%
DRY DENSITY	$\gamma_d$	124.37	PCF
WET DENSITY	$\gamma$	137.24	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.54	CM



### HYDROSTATIC COMPRESSION PHASE



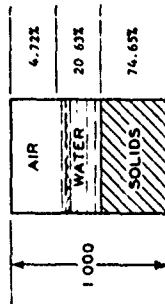
HYDROSTATIC PRESSURE,  $p$ , PSI

140

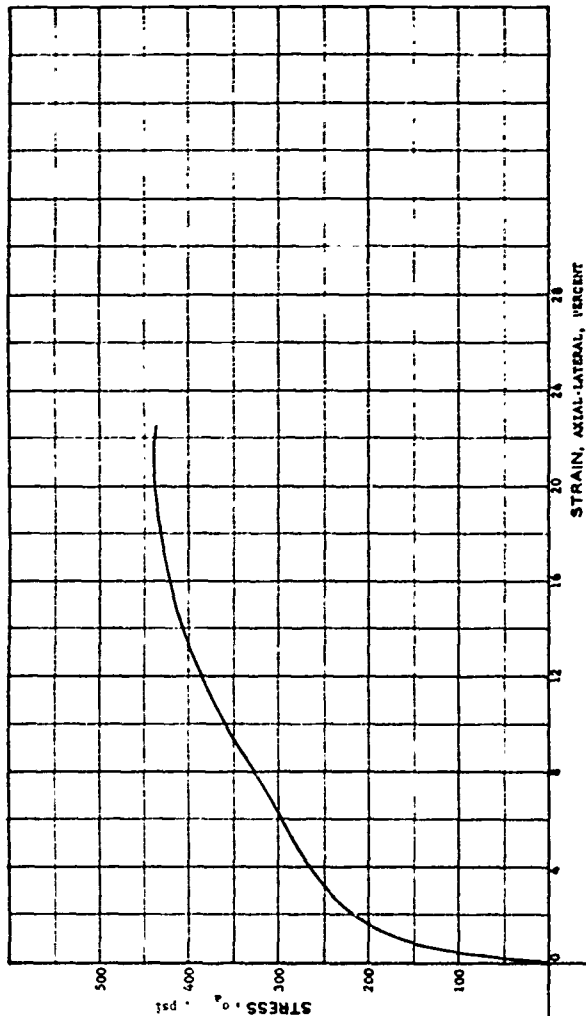
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Ga Tech B-602	
CONTRACT NO.		DACW39-67-C-0031	
AREA	BORING NO.	SAMPLE NO.	114
DEPTH	DATE	PL	13
EL	PL	PI	12
DESCRIPTION			
McDonnell Beach Sand			
Constant Stress Ratio, 0.4			
Initial Pressure, 0 psi			

WATER CONTENT	W	10.35	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	81.37	%
DRY DENSITY	$\gamma_d$	124.37	PCF
WET DENSITY	$\gamma$	137.24	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.54	CM



# HYDROSTATIC COMPRESSION PHASE



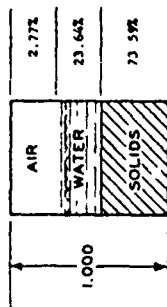
HYDROSTATIC PRESSURE, P, PSI

141

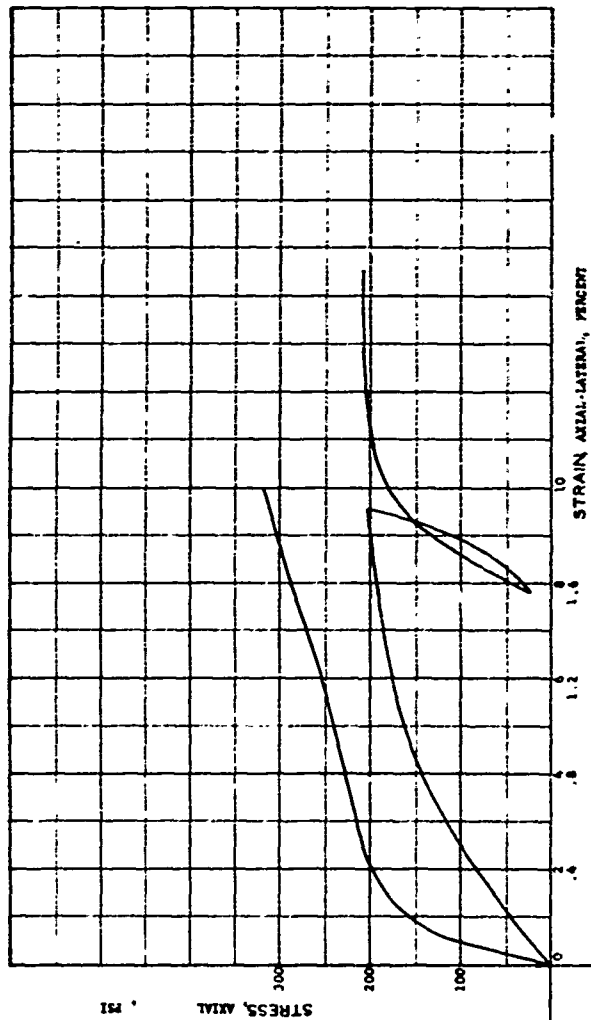
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Ga Tech B-602	
Contract No.		DACW39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO. 144		
DEPTH	DATE		
EL	PL	13	P1 13
DESCRIPTION			
McComick Ranch Sand			
Constant Stress Ratio, 0.4			
Initial Pressure, 0 psi			

WATER CONTENT	W	12.03	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	89.49	%
DRY DENSITY	$\gamma_d$	122.60	PCF
WET DENSITY	$\gamma$	137.35	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



### HYDROSTATIC COMPRESSION PHASE



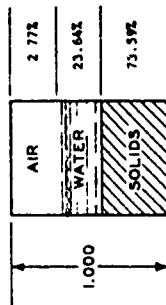
HYDROSTATIC PRESSURE, P, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

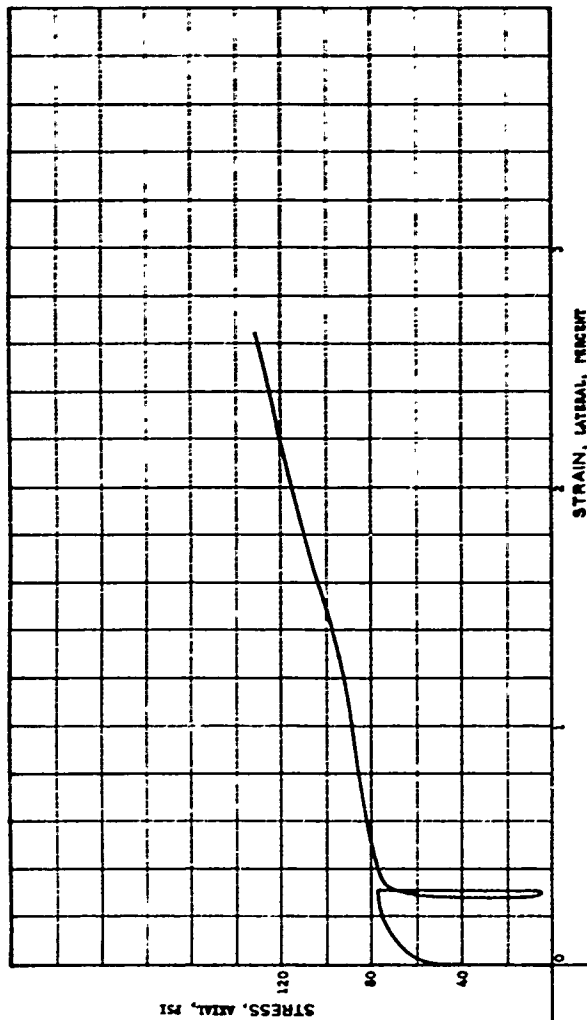
PROJECT		Ga Tech B-602	
CONTRACT NO.		DACA33-67-C-0031	
AREA	BORING NO.	SAMPLE NO.	107
DEPTH	DATE	PL	13
LL	27	PL	17
DESCRIPTION			
McCauley Beach Sand			
Constant Stress Ratio, 0.5			
Initial Pressure, 0 psi			



WATER CONTENT	W	12.00	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	89.49	%
DRY DENSITY	$\gamma_d$	122.60	PCF
WET DENSITY	$\gamma$	137.35	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



### HYDROSTATIC COMPRESSION PHASE

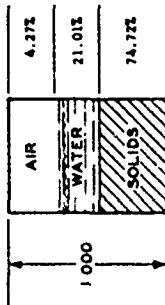


HYDROSTATIC PRESSURE,  $P$ , PSI

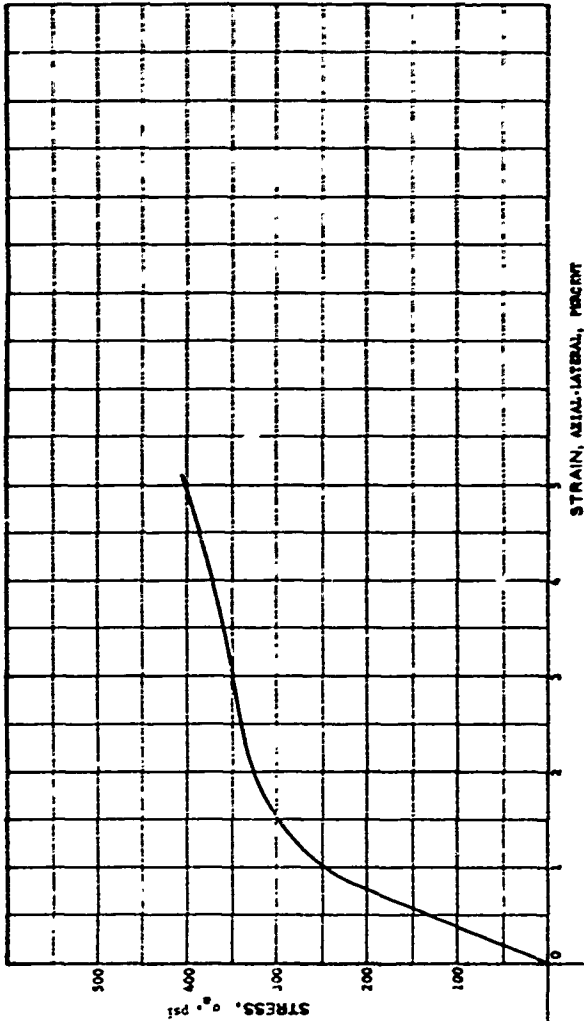
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT <u>GA Tech. B-101</u>		Contract No. <u>DMC-19-07-C-0031</u>	
AREA	BORING NO. <u>107</u>	SAMPLE NO. <u>107</u>	DATE
DEPTH	DATE	DATE	DATE
LL	PL	PL	PL
27	13	17	17
DESCRIPTION <u>McCamick Ranch Sand</u>			
Constant Stress Ratio, $0.4$			
Initial Pressure, $0$ psi			

WATER CONTENT	W	10.33	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	83.11	%
DRY DENSITY	$\gamma_d$	124.48	PCF
WET DENSITY	$\gamma$	137.60	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.90	CM
SPECIMEN HEIGHT	$H_0$	7.32	CM



### HYDROSTATIC COMPRESSION PHASE

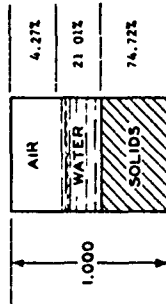


HYDROSTATIC PRESSURE,  $p$ , PSI

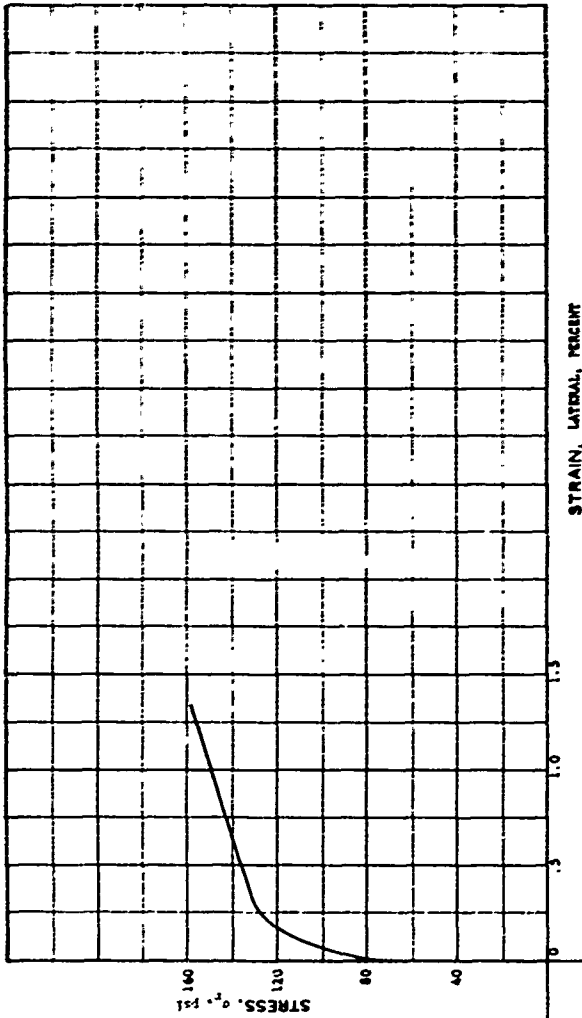
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Geotech B-6031	
CONTINENTAL No.		DNC432-57-5-0031	
AREA	BORING NO.	SAMPLE NO.	148
DEPTH	DATE	PL	13
LL	37	PI	12
DESCRIPTION			
HYDROSTATIC PRESSURE			
Constant Stress Ratio, 0.4			
Initial Pressure, 0 psi			

WATER CONTENT	W	10.33	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	83.11	%
DRY DENSITY	$\gamma_d$	128.48	PCF
WET DENSITY	$\gamma$	137.60	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.52	CM



### HYDROSTATIC COMPRESSION PHASE



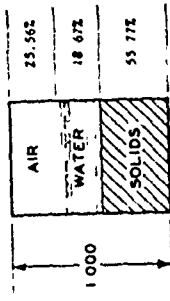
HYDROSTATIC PRESSURE,  $p$ , PSI

145

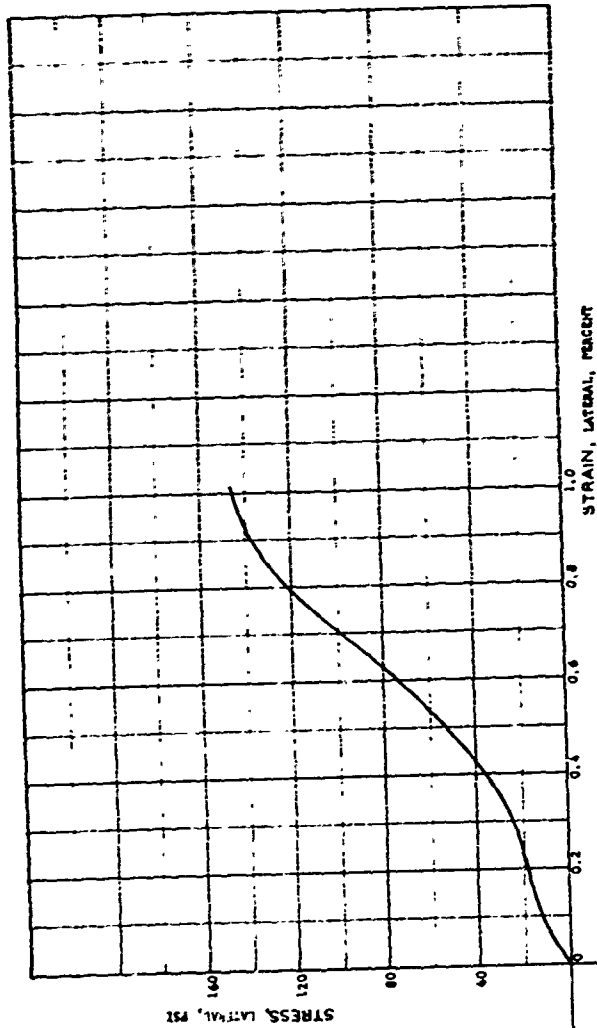
PROJECT 94-2000-B-403		SPLITTEST NO. 06043(1)-C-0001	
AREA	BORING NO. 146	SAMPLE NO. 146	DATE
DEPTH	EL	PL 13	PI 12
DESCRIPTION McGowan Ranch Sand			
Content Stress Ratio, $\sigma_v/\sigma_h$			
Initial Pressure, $\sigma_{v0}$			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	12.60 %
VOID RATIO	$e_0$	0.79
SATURATION	$S_0$	42.21 %
DRY DENSITY	$\gamma_d$	93.96 PCF
WET DENSITY	$\gamma$	105.61 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_p$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.60 CM



### HYDROSTATIC COMPRESSION PHASE



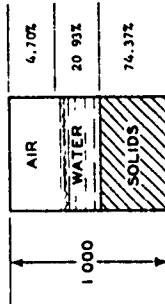
HYDROSTATIC PRESSURE, P, PSI

146

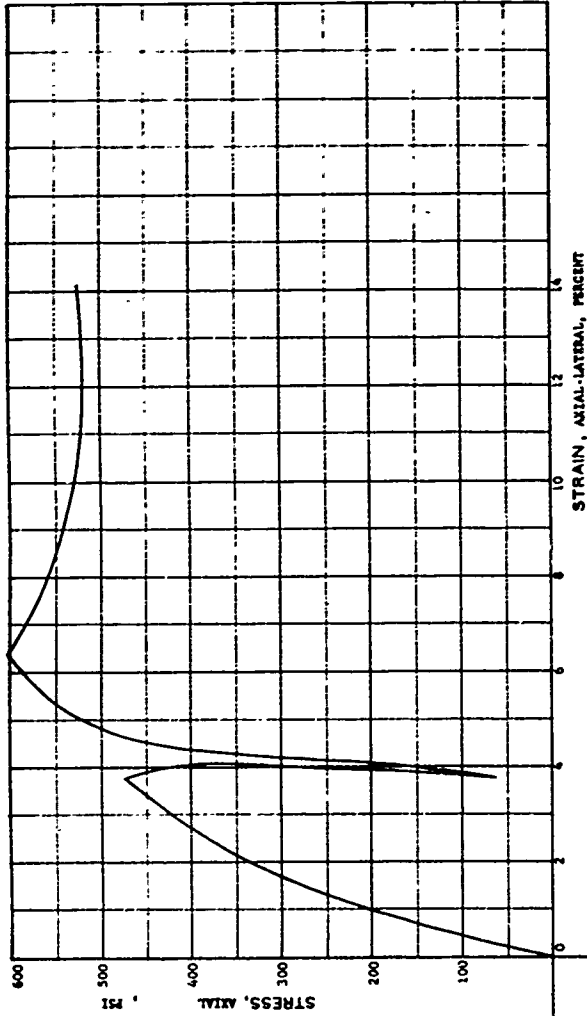
PROJECT - Ga Tech B-4031		Emulsion No. DMSJ3.67-C-0031	
AREA		SAMPLE NO. 203	
BORING NO.		DATE	
DEPTH		PL	PL
LL	36	PL	17
DESCRIPTION - Washing MUD Clay			
Constant stress Ratio, 0.4			
Initial Pressure, 100 psi			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	10.54	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	81.65	%
DRY DENSITY	$\gamma_d$	123.89	PCF
WET DENSITY	$\gamma$	136.96	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



### HYDROSTATIC COMPRESSION PHASE



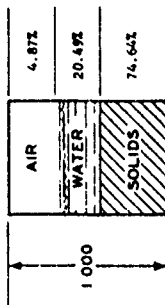
147

HYDROSTATIC PRESSURE, P, PSI

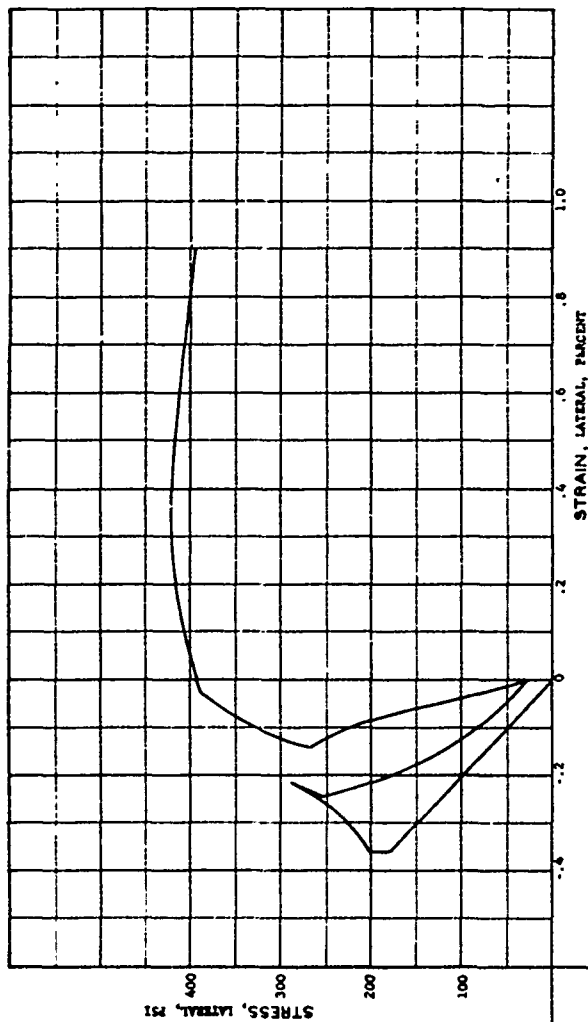
PROJECT <u>G9 Tech B-6031</u>		Contract No. <u>DCAJ9-67-C-0031</u>	
AREA		SAMPLE NO. <u>181</u>	
BORING NO.	DEPTH	DATE	
EL	PL	PL	PL
LL	27	15	12
DESCRIPTION <u>McCormick Ranch Sand</u>			
Constant Stress Ratio, <u>0.6</u> Initial Pressure, <u>0.211</u>			
Cycle Shear <u>3.732</u>			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	10.28	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	80.79	%
DRY DENSITY	$\gamma_d$	124.36	PCF
WET DENSITY	$\gamma$	137.14	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



### HYDROSTATIC COMPRESSION PHASE

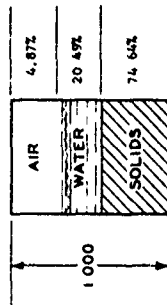


HYDROSTATIC PRESSURE, P, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Ga Tech B-602;	
Contract No. DMOJ9-67-C-0051	
AREA	
BORING NO.	SAMPLE NO. 182
DEPTH	DATE
EL	
LL 27	PL 15
	PI 12
DESCRIPTION McCormick Ranch Sand	
Constant Stress Ratio, 0.6; Initial Pressure, 0. psi	
Cycle Shear @ 75%	

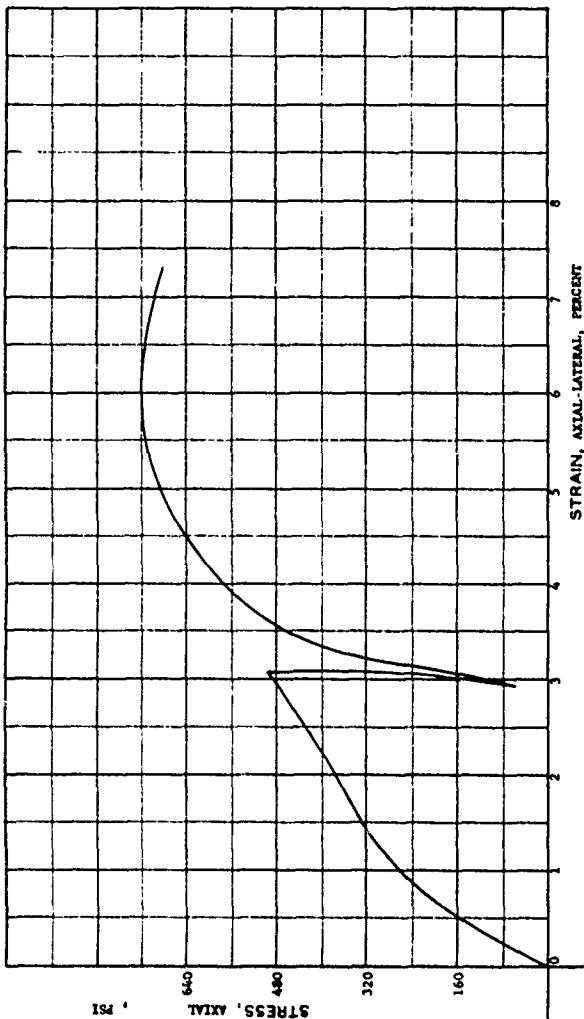
WATER CONTENT	W	10.22	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	80.79	%
DRY DENSITY	$\gamma_d$	124.36	PCF
WET DENSITY	$\gamma$	137.14	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



### HYDROSTATIC COMPRESSION PHASE

149

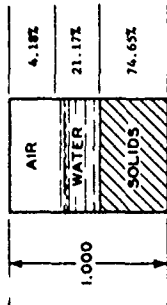
HYDROSTATIC PRESSURE, P, PSI



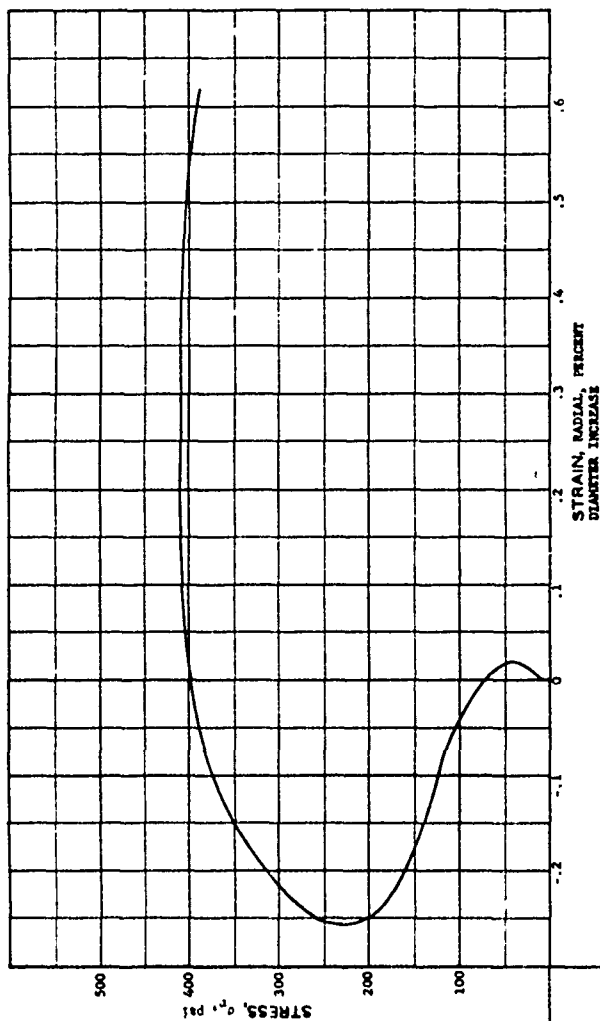
PROJECT Os Tech B-602, Contract No. DMCA39-67-C-0031			
AREA		SAMPLE NO. 182	
BORING NO.	DATE		
DEPTH	PL	PI	12
EL			
DESCRIPTION McConelick Ranch Sand			
Constant Stress Ratio, 0.6; Initial Pressure, 0 psi			
Cycle Shear @ 75%			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT		W	10.62	%
VOID RATIO		$e_0$	0.34	
SATURATION		$S_0$	83.49	%
DRY DENSITY		$\gamma_d$	124.37	PCF
WET DENSITY		$\gamma$	137.58	PCF
SPECIFIC GRAVITY		$G_s$	2.67	
SPECIMEN DIAMETER		$D_0$	3.49	CM
SPECIMEN HEIGHT		$H_0$	7.59	CM



### HYDROSTATIC COMPRESSION PHASE



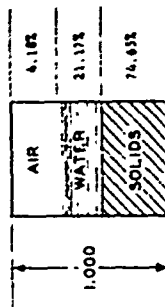
HYDROSTATIC PRESSURE,  $p$ , PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

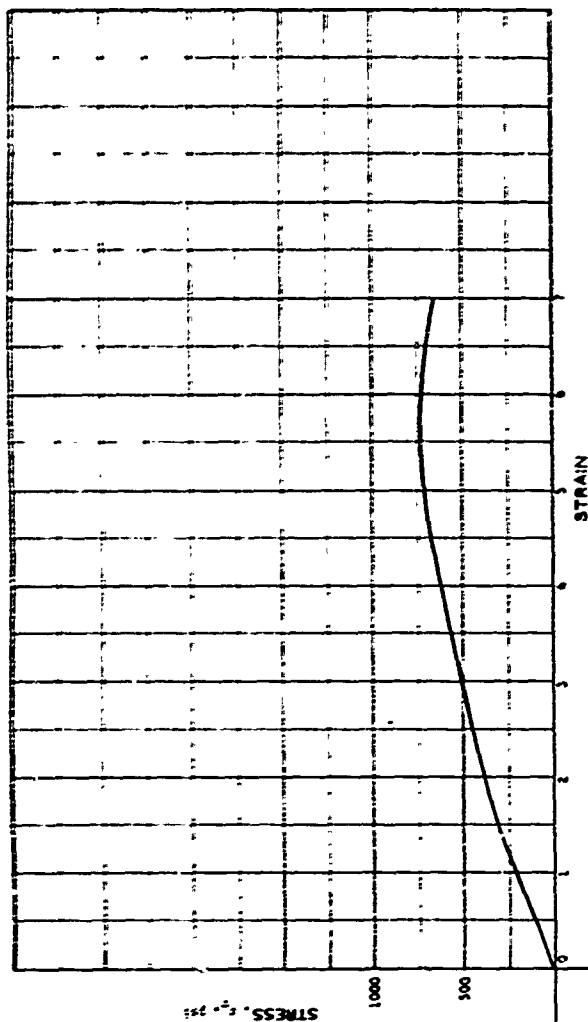
PROJECT		Ga Tech 3-6021	
		Contract No. DCA39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO. 186		
DEPTH	DATE		
EL	PL	15	PI 12
DESCRIPTION McCormick Ranch Sand			
Constant Stress Ratio, 0.6			
Initial Pressure, 0 psi			



WATER CONTENT	W	10.82	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	93.66	%
DRY DENSITY	$\gamma_d$	124.37	PCF
WET DENSITY	$\gamma$	137.38	PCF
SP. GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.59	CM



# HYDROSTATIC COMPRESSION PHASE

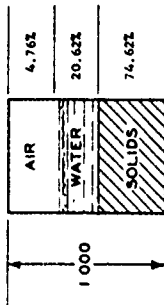


HYDROSTATIC PRESSURE, p, PSI

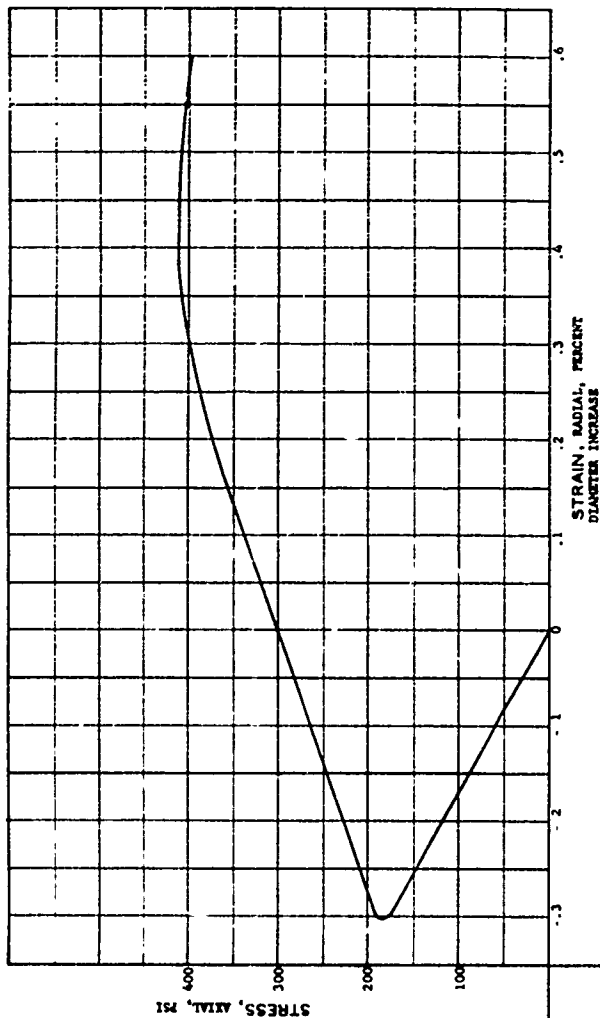
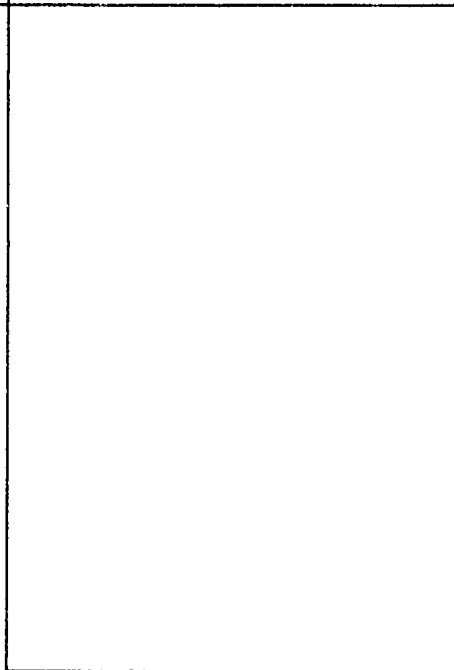
PROJECT Ga Tech B-4021		Contract No. DACW39-67-G-0031	
AREA		SAMPLE NO. 186	
BORING NO.		DATE	
DEPTH		PL	13
EL		PL	12
DESCRIPTION McCormick Ranch Sand			
Constant Stress Ratio, 0.6			
Initial Pressure, 0 psi			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	10.34	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	81.23	%
DRY DENSITY	$\gamma_d$	124.33	PCF
WET DENSITY	$\gamma$	137.19	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.54	CM

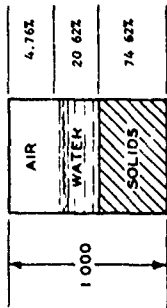


### HYDROSTATIC COMPRESSION PHASE

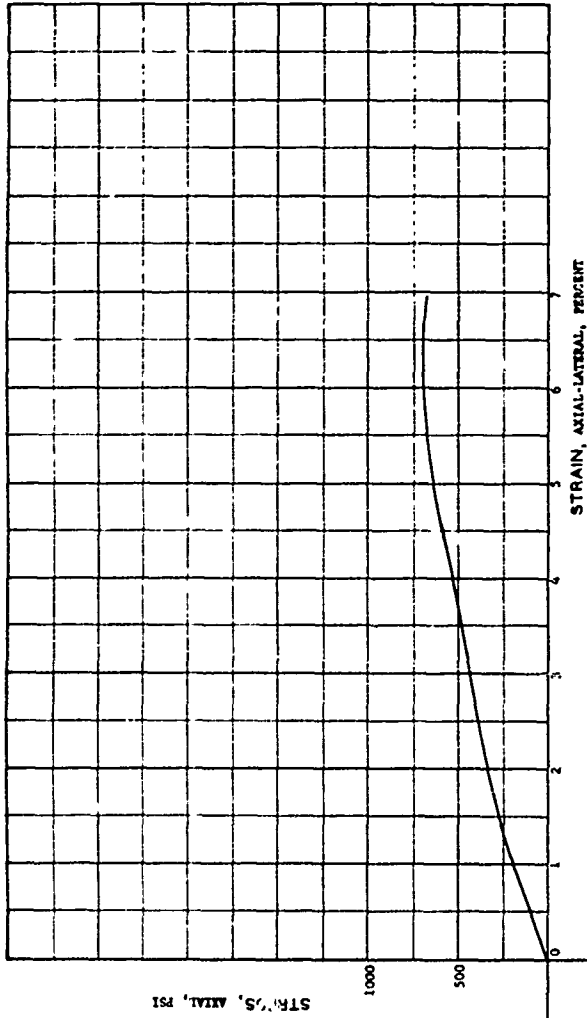


PROJECT		Ga Tech 3-602:	
		Contract No. DAC39-67-C-0051	
AREA			
BORING NO.	SAMPLE NO. 187		
DEPTH	DATE		
EL	27	PL 15	PI 12
DESCRIPTION <u>McComick Ranch Sand</u>			
Constant Stress Ratio, 0.6			
Initial Pressure, 0 psi			

WATER CONTENT	W	10.34 %
VOID RATIO	$e_0$	0.34
SATURATION	$S_0$	81.23 %
DRY DENSITY	$\gamma_d$	124.33 PCF
WET DENSITY	$\gamma$	137.19 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.54 CM



### HYDROSTATIC COMPRESSION PHASE

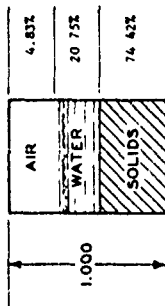


HYDRA STATIC PRESSURE,  $p$ , PSI

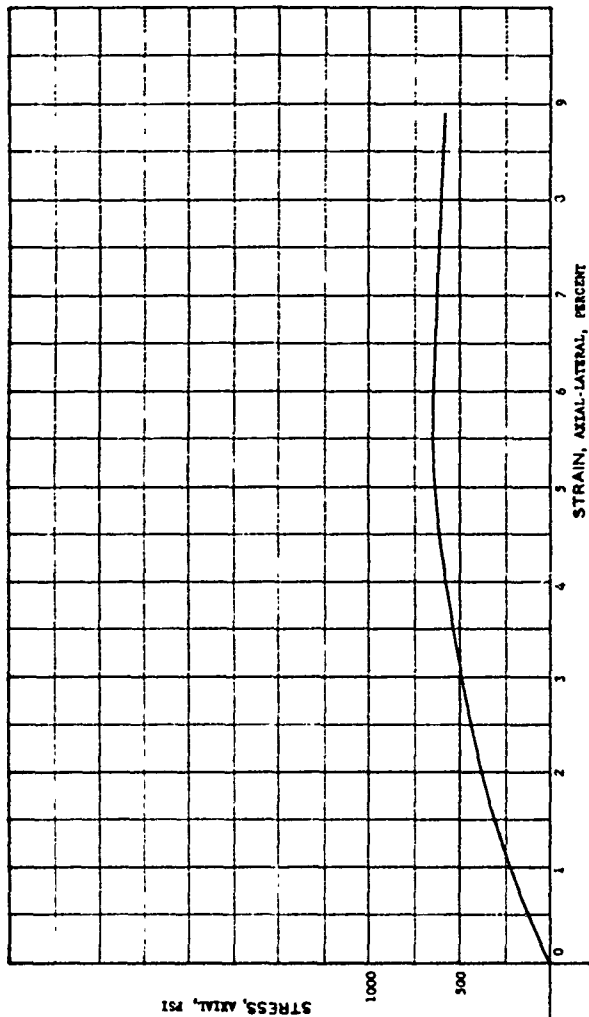
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Ga Tech B-602.	
Contract No. DACA39-67-C-0031	
AREA	
BORING NO.	SAMPLE NO. 187
DEPTH	DATE
EL	PL 15
LL 27	PI 12
DESCRIPTION McCormick Ranch Sand	
Constant Stress Ratio, 0.6	
Initial Pressure, 0 psi	

WATER CONTENT	W	10.44 %
VOID RATIO	$e_0$	0.34
SATURATION	$S_0$	81.11 %
DRY DENSITY	$\gamma_d$	123.99 PCF
WET DENSITY	$\gamma$	136.94 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.54 CM



### HYDROSTATIC COMPRESSION PHASE

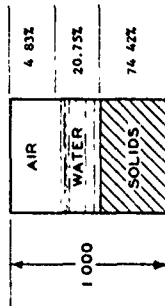


HYDROSTATIC PRESSURE,  $p$ , PSI

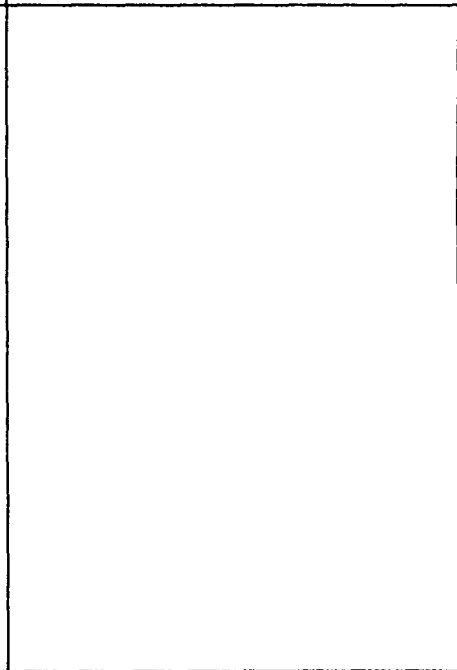
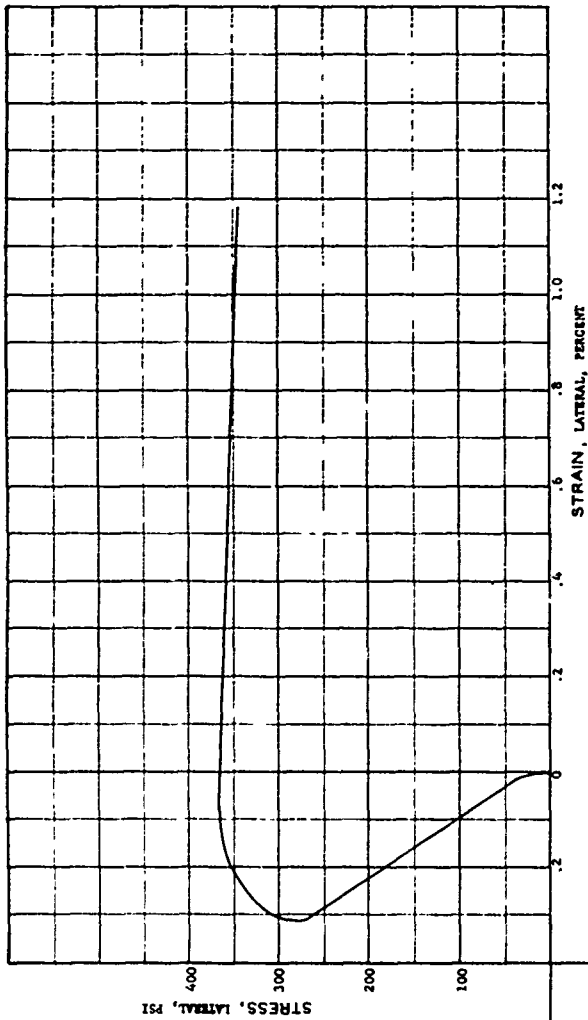
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT <u>Gr. Test B-602</u>	
Contract No. <u>DACA39-67-C-0031</u>	
AREA	
BORING NO.	SAMPLE NO. <u>188</u>
DEPTH	DATE
EL	
LL <u>27</u>	PL <u>13</u> PI <u>12</u>
DESCRIPTION <u>McGormick Beach Sand</u>	
Constant Stress Ratio, <u>0.6</u>	
Initial Pressure, <u>0</u> psi	

WATER CONTENT	W	10.44 %
VOID RATIO	$e_0$	0.34
SATURATION	$S_0$	81.11 %
DRY DENSITY	$\gamma_d$	123.99 PCF
WET DENSITY	$\gamma$	136.94 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.54 CM



### HYDROSTATIC COMPRESSION PHASE

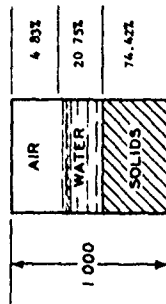


VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

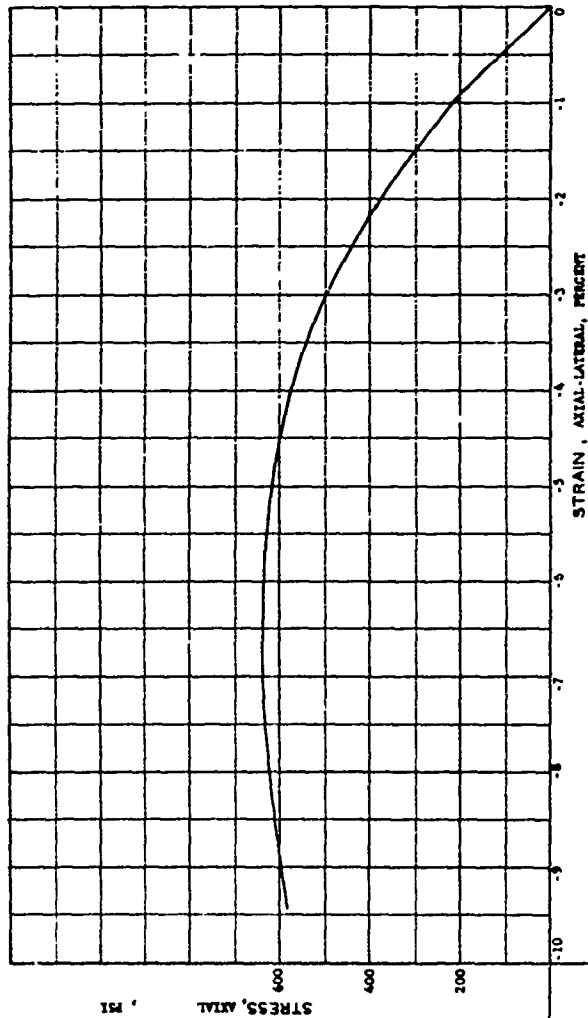
HYDROSTATIC PRESSURE, P, PSI

PROJECT		Ga Tech 8-602:	
Contract No.		DMA39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	108	
DEPTH	DATE		
EL	PL	15	P1 12
DESCRIPTION			
McGormick Ranch Sand			
Constant Stress Ratio, 0.6			
Initial Pressure, 0.1			

WATER CONTENT	W	10.44 %
VOID RATIO	$e_0$	0.34
SATURATION	$S_0$	81.11 %
DRY DENSITY	$\gamma_d$	123.99 PCF
WET DENSITY	$\gamma$	136.94 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.54 CM



### HYDROSTATIC COMPRESSION PHASE



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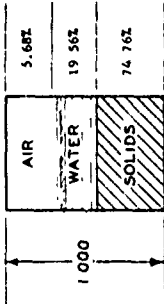
HYDROSTATIC PRESSURE, P, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT 04 Tech 8-602:	
Contract No. DMOJ39-87-C-0031	
AREA	
BORING NO.	SAMPLE NO. 188
DEPTH	DATE
EL	PL 13
LL 27	PI 12
DESCRIPTION McCormick Ranch Sand	
Constant Stress Ratio, 0.4	
Initial Pressure, 0 psi	

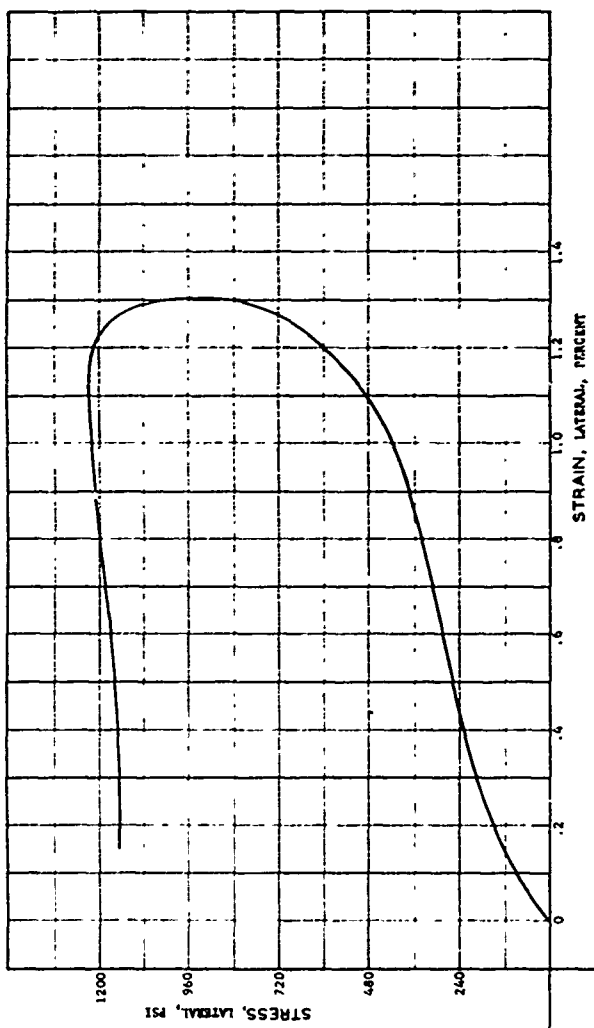
HYDROSTATIC PRESSURE, P, PSI

WATER CONTENT	W	9.80	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	77.48	%
DRY DENSITY	$\gamma_d$	124.55	PCF
WET DENSITY	$\gamma$	136.75	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.26	CM



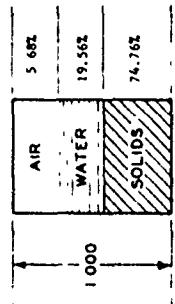
HYDROSTATIC COMPRESSION PHASE

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

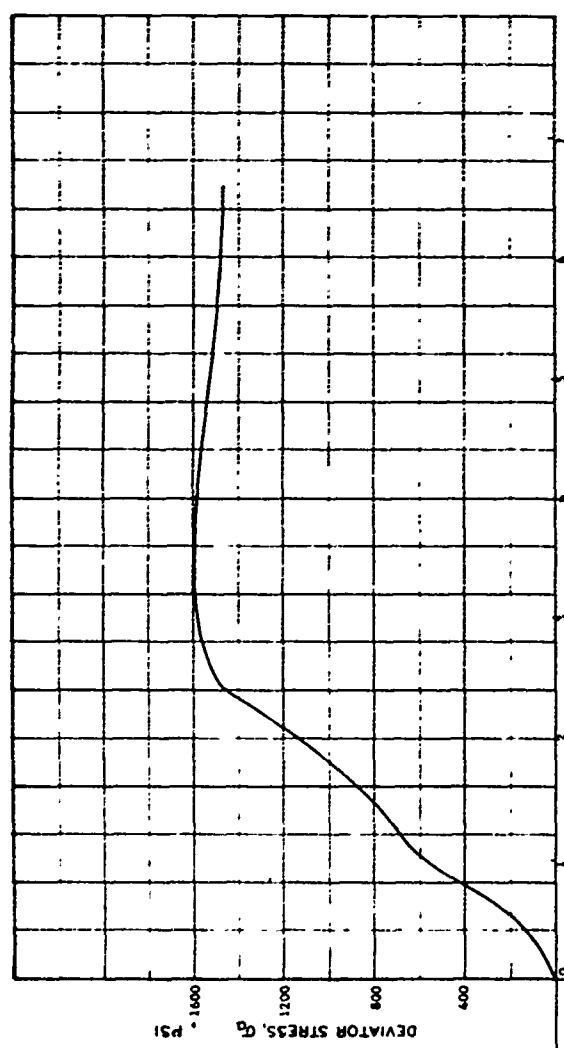
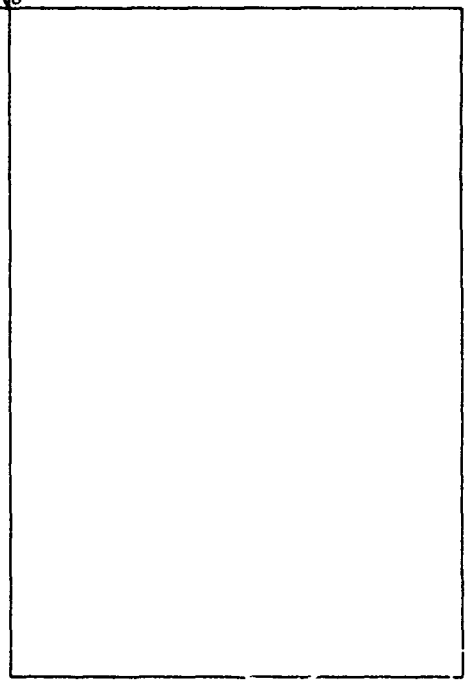


PROJECT Georgia Institute of Technology B-402	
Contract No. DMCJ9-67-C-0051	
AREA	
BORING NO.	SAMPLE NO. 163
DEPTH	DATE
EL	
LL 27	PL 15
	PI 12
DESCRIPTION McCormick Ranch Land	
Constant Stress Ratio, 0.8	
Initial Pressure, 0 PSI	

WATER CONTENT	W	9.80	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	77.48	%
DRY DENSITY	$\gamma_d$	124.55	PCF
WET DENSITY	$\gamma$	136.75	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_c$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.26	CM



# HYDROSTATIC COMPRESSION PHASE



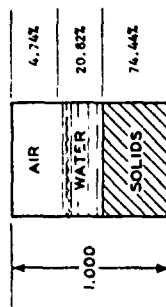
# TRIAXIAL SHEAR PHASE

HYDROSTATIC PRESSURE, p, PSI

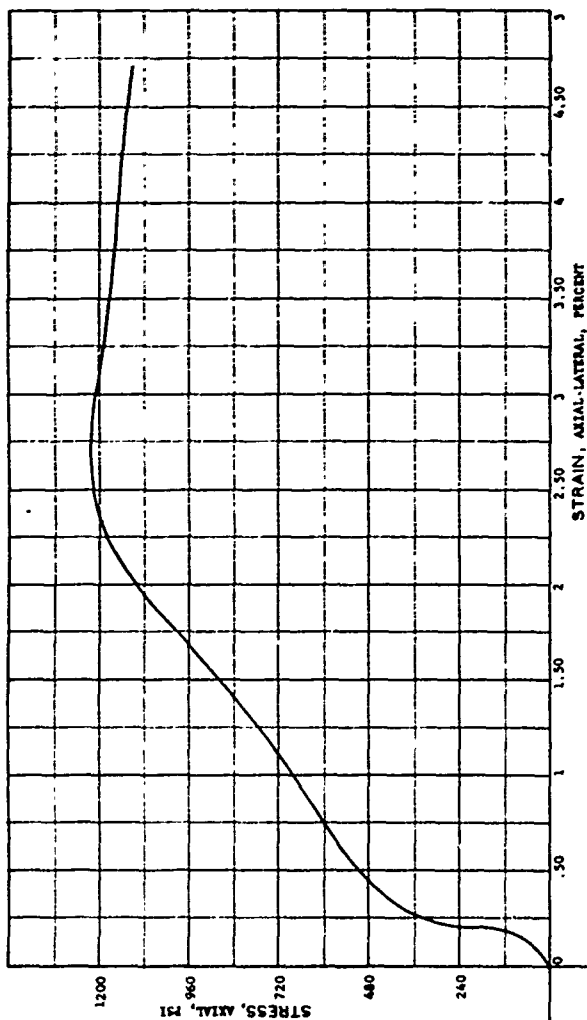
PROJECT Georgia Institute of Technology 8-602			
Contract No. DCAJ3-67-C-0031			
AREA	SAMPLE NO. 1A3	DATE	PL 12
BORING NO.	DEPTH	DATE	PL 12
LL 27	PL 13	PL 12	PL 12
DESCRIPTION McGowan Beach Sand			
Constant Stress Ratio, 0.8			
Initial Pressure, 0.251			



WATER CONTENT	W	10.47 %
VOID RATIO	$e_0$	0.34
SATURATION	$S_0$	81.46 %
DRY DENSITY	$\gamma_d$	124.03 PCF
WET DENSITY	$\gamma$	137.02 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.53 CM



### HYDROSTATIC COMPRESSION PHASE



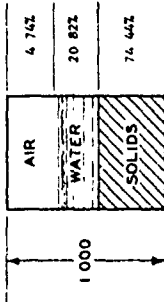
159

HYDROSTATIC PRESSURE, P, PSI

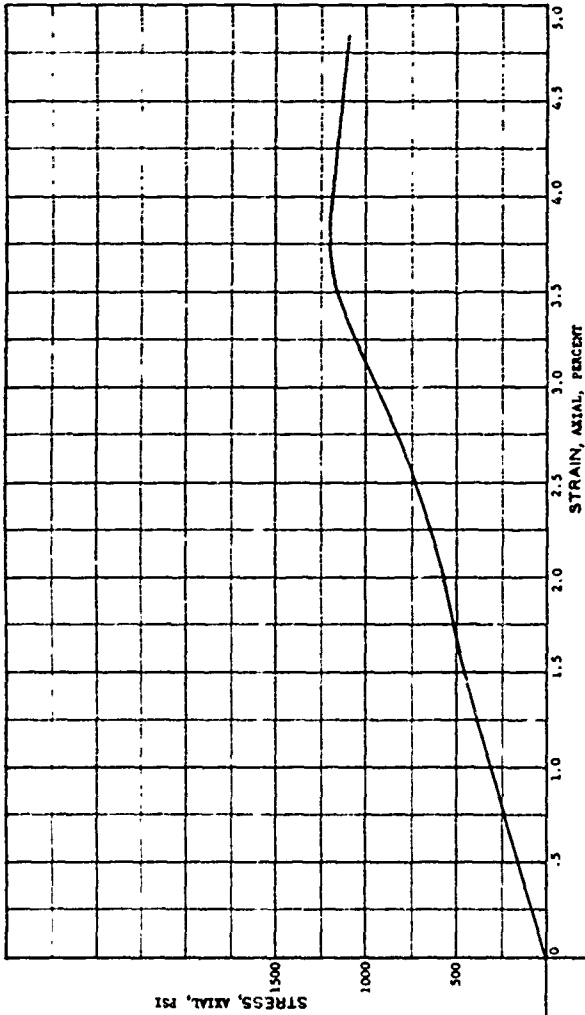
PROJECT Ga Tech R-6021		Contract No. DACW39-67-C-0031	
AREA		SAMPLE NO. 165	
BORING NO.		DATE	
DEPTH		PL	15
EL		P1	12
DESCRIPTION McCormick Ranch Sand			
Grain Size Ratio, 0.8			
Initial Pressure, 0 psi			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	10.47 %
VOID RATIO	$e_0$	0.34
SATURATION	$S_0$	81.46 %
DRY DENSITY	$\gamma_d$	124.03 PCF
WET DENSITY	$\gamma$	137.02 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.53 CM



### HYDROSTATIC COMPRESSION PHASE

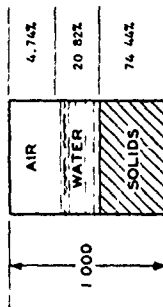


HYDROSTATIC PRESSURE, P, PSI

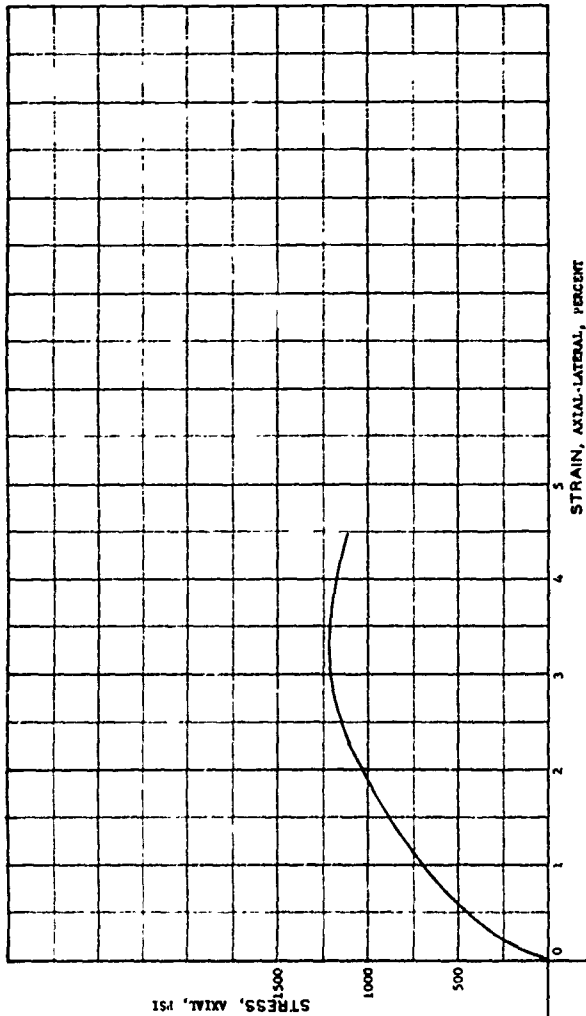
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Ga Tech B-602	
		Contract No. DACW39-67-C-0051	
AREA			
SORING NO.	SAMPLE NO.	163	
DEPTH	DATE		
EL			
LL	PL	15	P1 12
DESCRIPTION McCormick Ranch Sand			
Constant Ratio, 0.8			
Initial Pressure, 0 psi			

WATER CONTENT	W	10.47 %
VOID RATIO	$e_0$	0.34
SATURATION	$S_0$	81.46 %
DRY DENSITY	$\gamma_d$	124.03 PCF
WET DENSITY	$\gamma$	137.02 PCF
SPECIFIC GRAVITY	$G_s$	2.67
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.53 CM



### HYDROSTATIC COMPRESSION PHASE

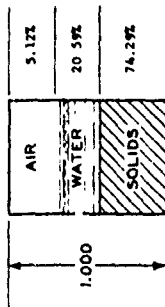


HYDROSTATIC PRESSURE, p, PSI

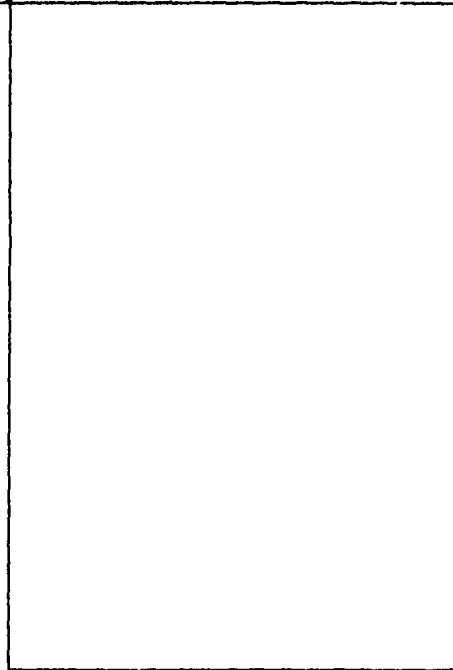
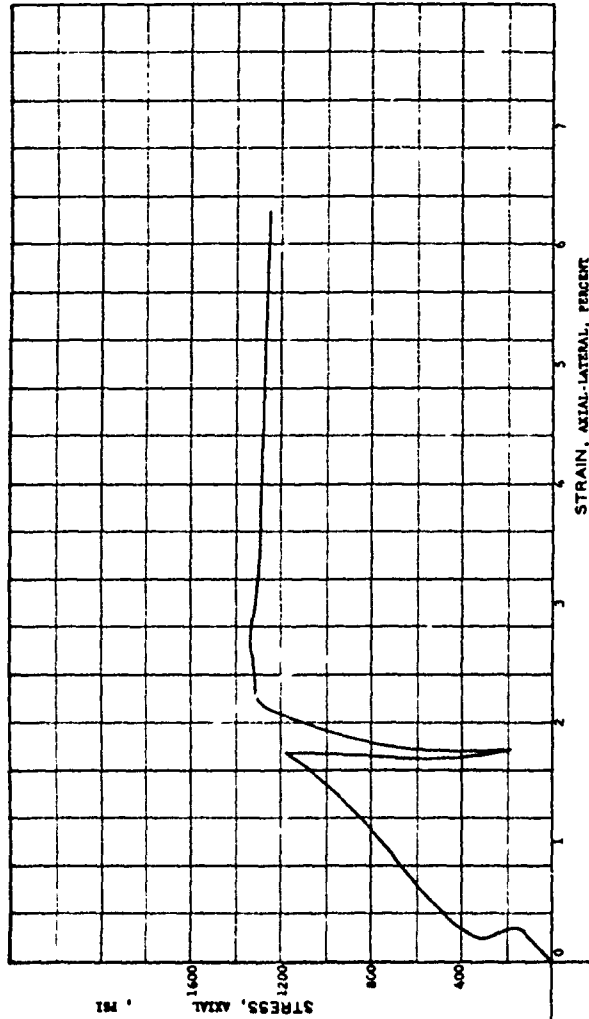
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Ga Tech B-602			
Contract No. DACW39-67-C-0031			
AREA		SAMPLE NO. 163	
BORING NO.	DEPTH	DATE	
LL 27	PL 15	PI	12
DESCRIPTION McGibick Ranch Sand			
Constant Ratio, 0.8			
Initial Pressure, 0 psi			

WATER CONTENT	W	10.38	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	80.07	%
DRY DENSITY	$\gamma_d$	123.77	PCF
WET DENSITY	$\gamma$	136.61	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM

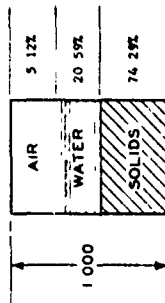


### HYDROSTATIC COMPRESSION PHASE

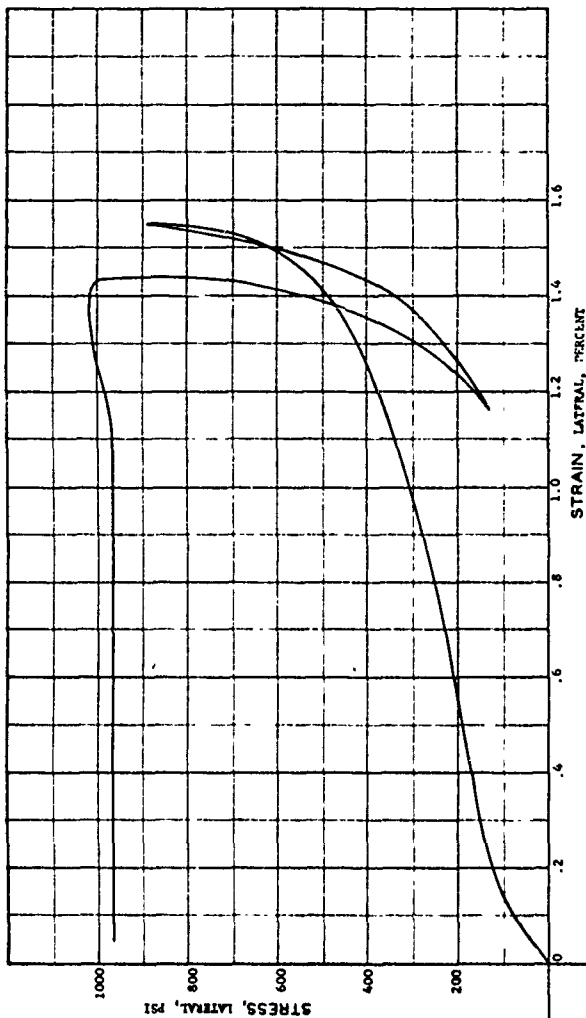


PROJECT <u>Georgia Institute of Technology, B-602</u>			
Contract No. <u>DACA39-67-C-0021</u>			
AREA			
BORING NO.	SAMPLE NO. <u>166</u>		
DEPTH	DATE		
EL	PL	LS	PI
LL	27	15	12
DESCRIPTION <u>McComick Ranch Sand</u>			
Constant Stress Ratio, 0.8			
Initial Pressure, 0 psi			

WATER CONTENT	W	10.38	%
VOID RATIO	$e_0$	0.35	
SATURATION	$S_0$	80.07	%
DRY DENSITY	$\gamma_d$	123.77	PCF
WET DENSITY	$\gamma$	136.61	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



### HYDROSTATIC COMPRESSION PHASE

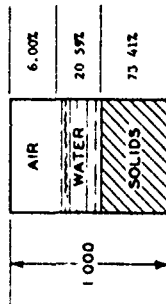


HYDROSTATIC PRESSURE, P, PSI

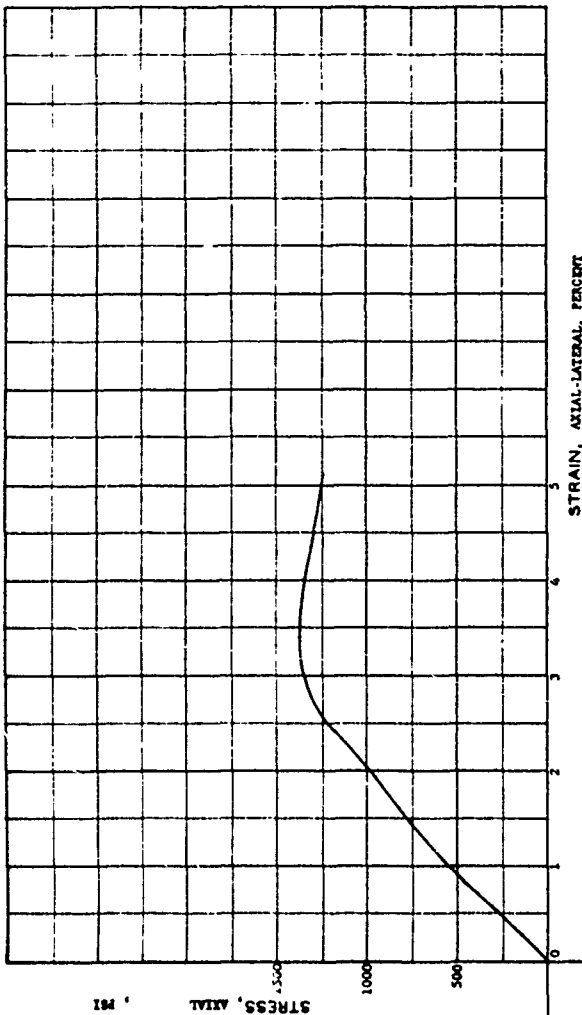
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology R-602			
Contract No. DAC43-87-C-0051			
AREA		SAMPLE NO. 166	
BORING NO.	DEPTH	DATE	
EL	PL	PL	PL
LL 27	PL 15	PL 12	
DESCRIPTION McGowan Ranch Sand			
Constant Stress Ratio, 0.8			
Initial Pressure, 0 psi			

WATER CONTENT	W	10.50	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	77.44	%
DRY DENSITY	$\gamma_d$	122.31	PCF
WET DENSITY	$\gamma$	135.16	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.51	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



### HYDROSTATIC COMPRESSION PHASE



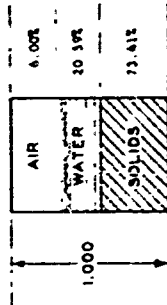
164

HYDROSTATIC PRESSURE,  $p$ , PSI

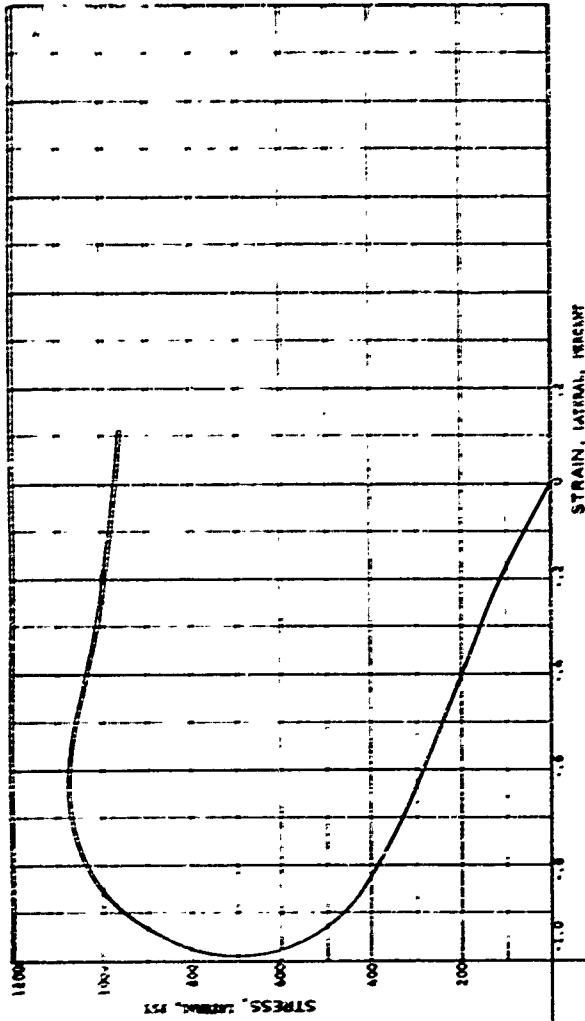
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Ga Tech B-602	
Contract No. DMC39-87-C-0031	
AREA	
BORING NO.	SAMPLE NO. 170
DEPTH	DATE
LL 27	PL 13
PI 12	
DESCRIPTION McCormick Ranch Sand	
Constant Stress Ratio, 0.8	
Initial Pressure, 0 psi	

WATER CONTENT		W	10.30	%
VOID RATIO		$e_0$	0.36	
SATURATION		$S_0$	77.46	%
DRY DENSITY		$\gamma_d$	122.31	PCF
WET DENSITY		$\gamma$	133.16	PCF
GRAVITY		$G_s$	2.67	
SPECIMEN DIAMETER		$D_0$	3.31	CM
SPECIMEN HEIGHT		$H_0$	7.33	CM



### HYDROSTATIC COMPRESSION PHASE

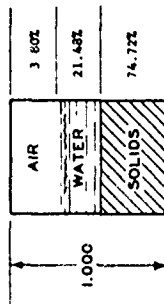


HYDROSTATIC PRESSURE, P, PSI

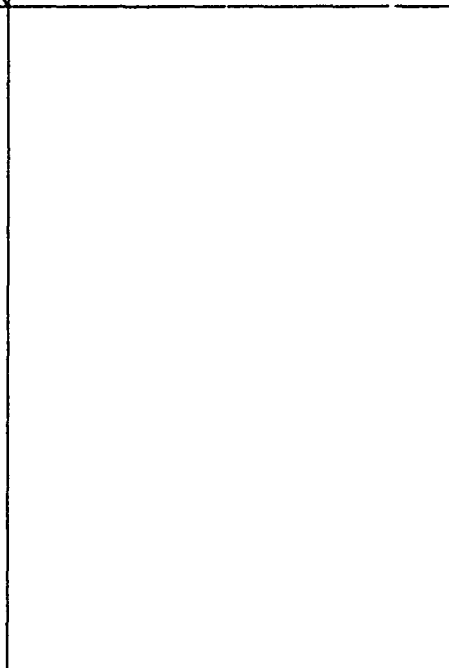
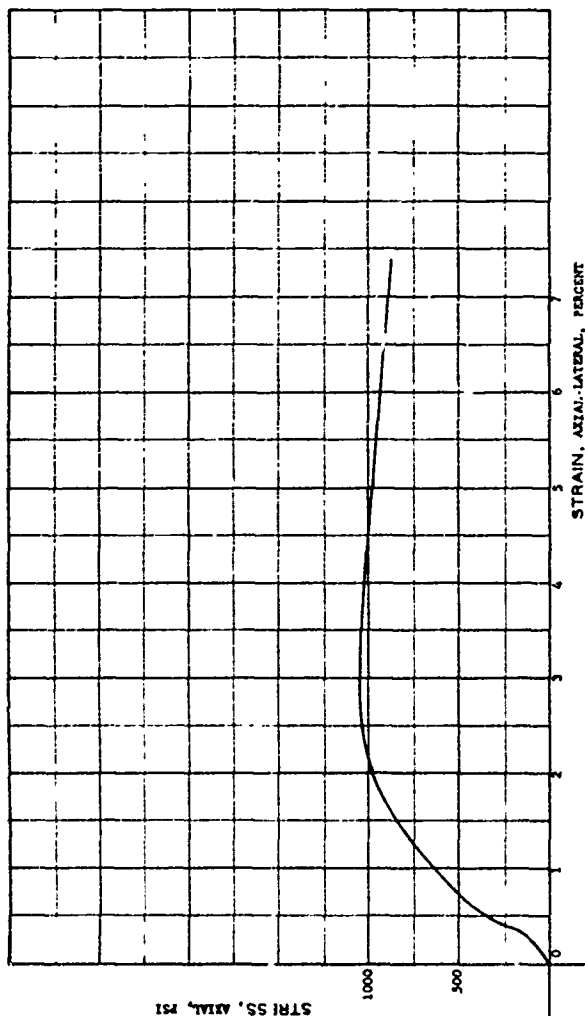
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT <u>GA. TRAIL B-402</u>		Contract No. <u>DMA39-67-C-0031</u>	
AREA	BORING NO. <u>170</u>	SAMPLE NO. <u>170</u>	
	DEPTH	DATE	
LL <u>27</u>	PL <u>13</u>	PI <u>13</u>	
DESCRIPTION <u>McComick Ranch Sand</u>			
Constant Stress Ratio, $0.8$			
Initial Pressure, $0$ psi			

WATER CONTENT	W	10.76	%
VOID RATIO	$e_0$	0.34	
SATURATION	$S_0$	84.96	%
DRY DENSITY	$\gamma_d$	126.49	PCF
WET DENSITY	$\gamma$	137.89	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.55	CM



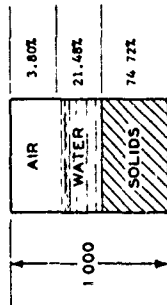
### HYDROSTATIC COMPRESSION PHASE



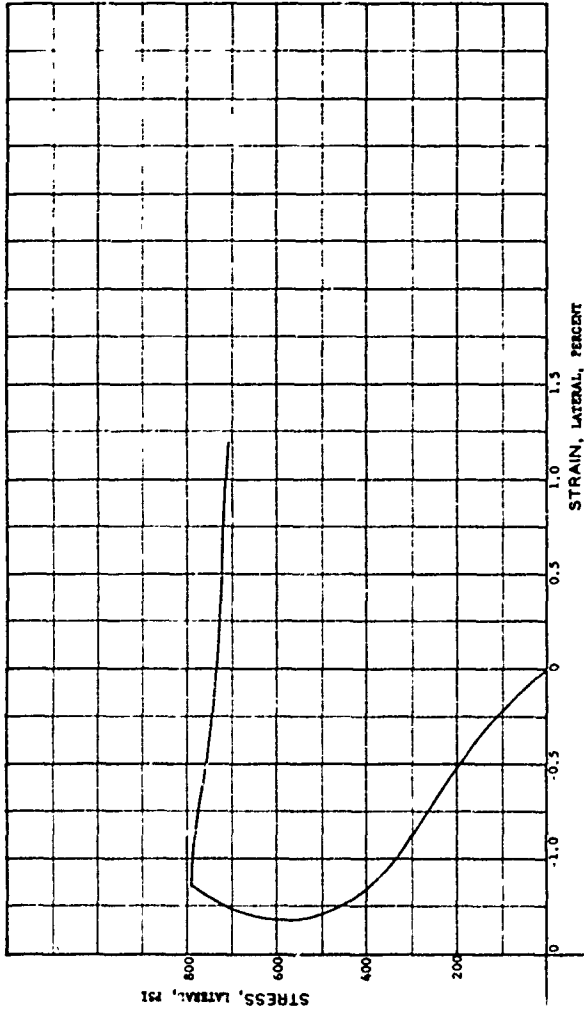
PROJECT Ga Tech B-602.		Contract No. DMC39-67-C-0031	
AREA		SAMPLE NO. 103	
BORING NO.	DEPTH	DATE	
LL 27	PL 15	PI 12	
DESCRIPTION McCormick Ranch Sand			
Constant Stress Ratio, 0.8			
Initial Pressure, 0 psi			



WATER CONTENT	W	10.76	%
VOID RATIO	$e_0$	0.36	
SATURATION	$S_0$	84.96	%
DRY DENSITY	$\gamma_d$	124.49	PCF
WET DENSITY	$\gamma$	137.89	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.55	CM



### HYDROSTATIC COMPRESSION PHASE



HYDROSTATIC PRESSURE, P, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Ga. Tech. B-602:	
CONTRACT NO.		DACA39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	183	
DEPTH	DATE		
EL.	PL	15	PI 12
DESCRIPTION: McCoskie Ranch Sand			
Constant Stress Ratio, 0.8			
Initial Pressure, 0 psi			

Group A  
Triaxial Tests

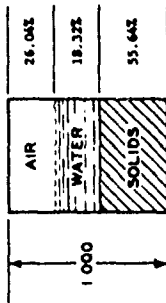
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Group A  
Triaxial Tests

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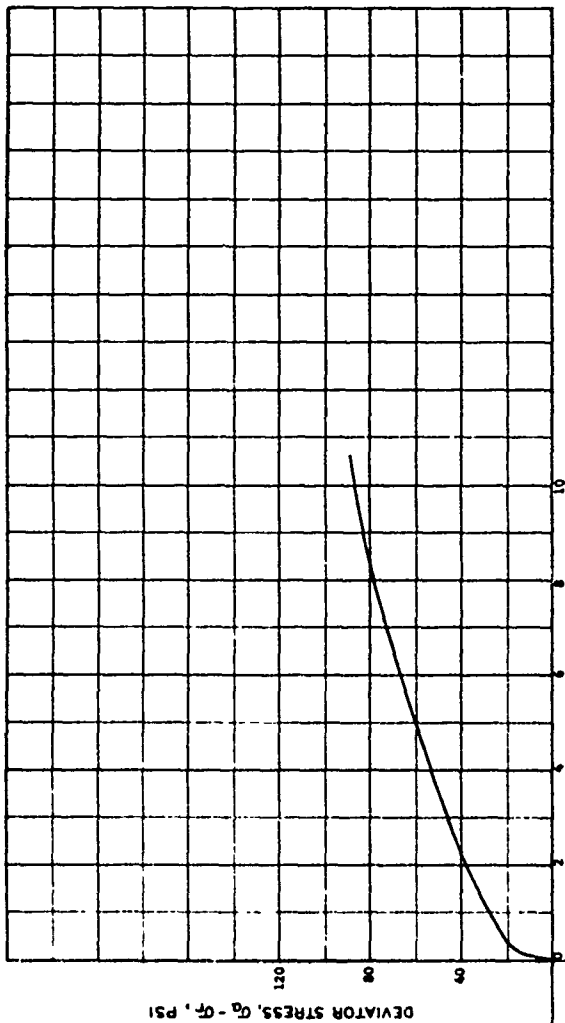
WATER CONTENT	W	12.19	%
VOID RATIO	$e_0$	0.60	
SATURATION	$S_0$	41.29	%
DRY DENSITY	$\gamma_d$	93.74	PCF
WET DENSITY	$\gamma$	105.16	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE

HYDROSTATIC PRESSURE,  $p$ , PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

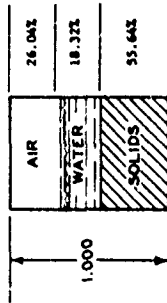


### DEVIATOR STRAIN, $\epsilon_p$ , PERCENT

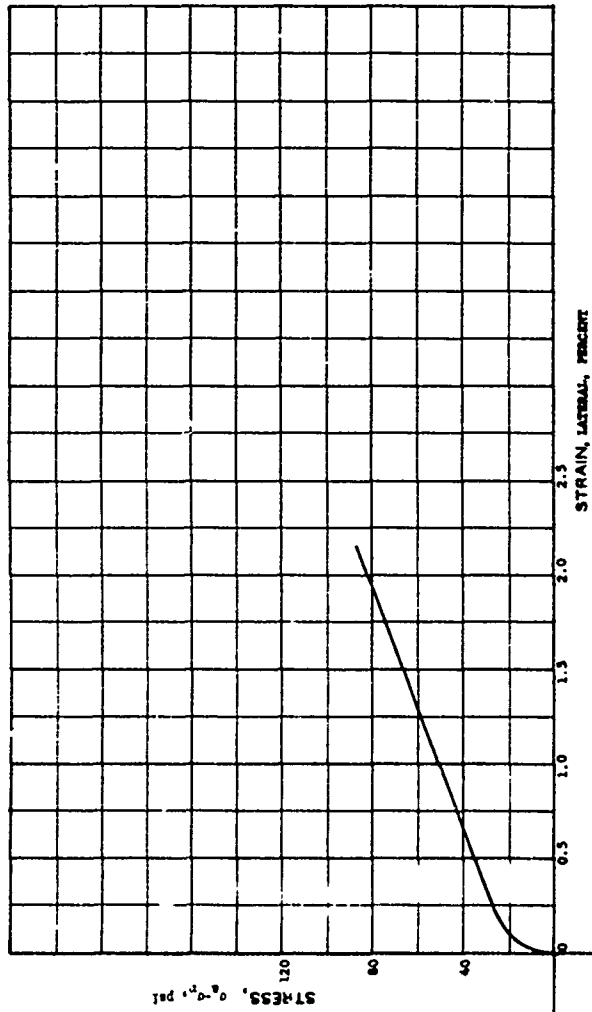
### TRIAXIAL SHEAR PHASE

PROJECT <u>Ge Tech 3-602:</u>	
CONTRACT NO. <u>DMA13-66-C-0031</u>	
AREA	
BORING NO.	SAMPLE NO. <u>220</u>
DEPTH	DATE
EL	
LL <u>36</u>	PL <u>17</u>
	P1 <u>19</u>
DESCRIPTION <u>Weathering Mill Clay</u>	

WATER CONTENT	W	12.19	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	61.29	%
DRY DENSITY	$\gamma_d$	93.74	PCF
WET DENSITY	$\gamma$	105.18	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



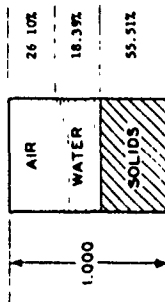
174

HYDROSTATIC PRESSURE,  $p$ , PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

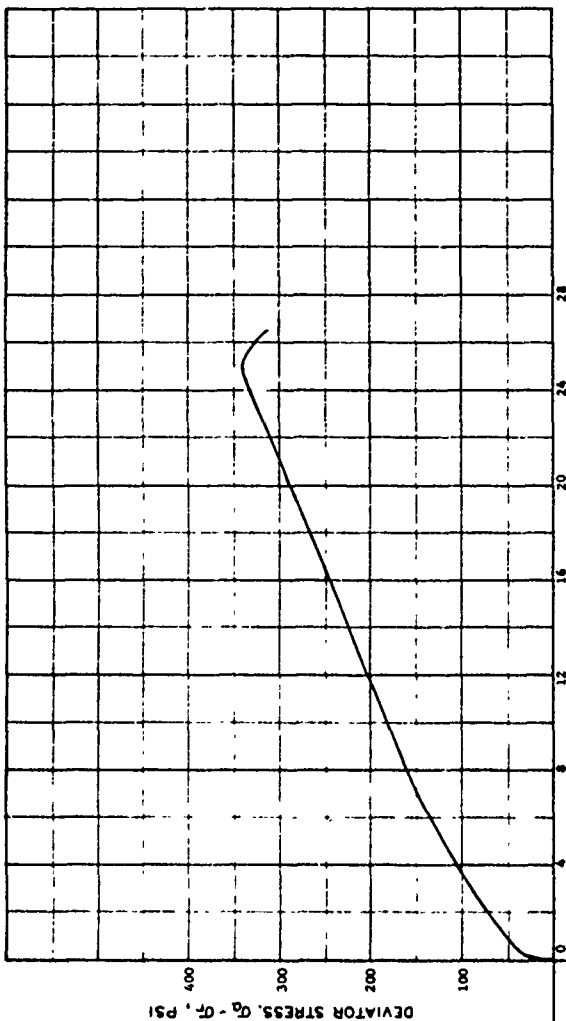
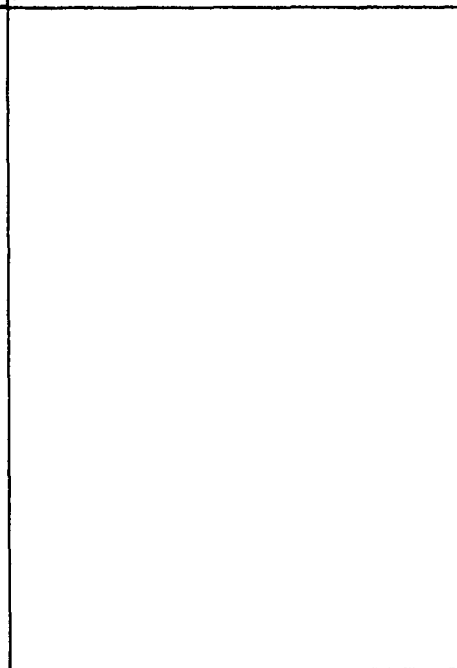
PROJECT		SA 2nd B-602	
CONTRACT NO.		DPA33-17-E-5031	
AREA			
BORING NO.	SAMPLE NO.	220	
DEPTH	DATE		
EL	PL	17	P1 19
DESCRIPTION Wetmore Hill Clay			

WATER CONTENT	W	12.27 %
VOID RATIO	$e_0$	0.80
SATURATION	$S_0$	41.35 %
DRY DENSITY	$\gamma_d$	93.53 PCF
WET DENSITY	$\gamma$	105.01 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



### HYDROSTATIC COMPRESSION PHASE

HYDROSTATIC PRESSURE,  $p$ , PSI

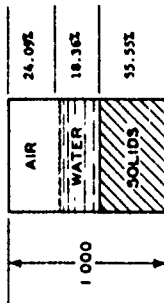


### TRIAxIAL SHEAR PHASE

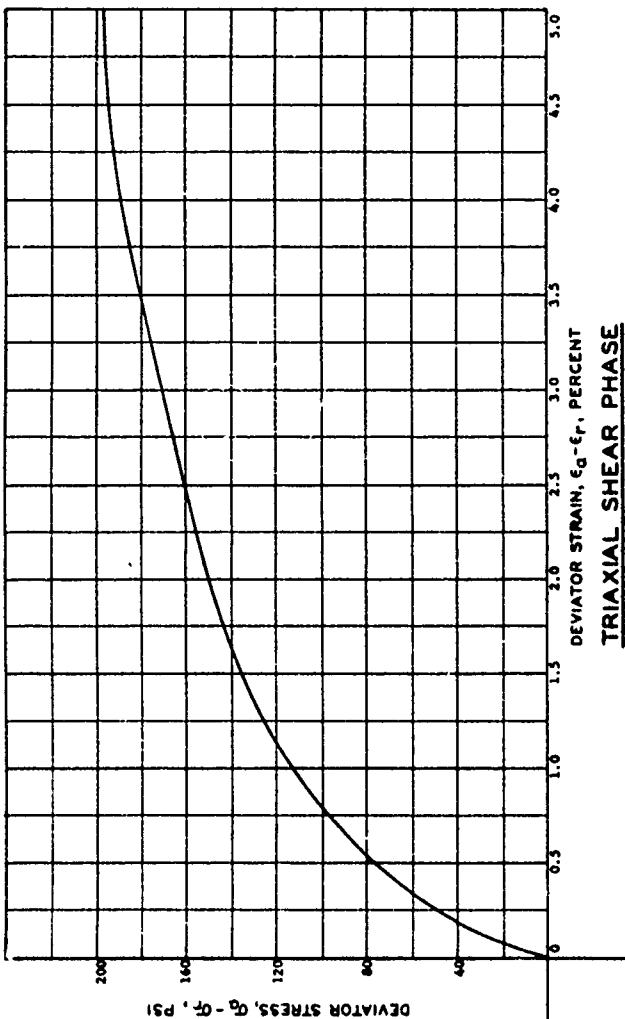
PROJECT		Ga Tech E-602	
Contract No.		DACA19-67-C-0031	
AREA	BORING NO.	SAMPLE NO.	222
DEPTH	DATE	DATE	
LL	36	PL	17
PL	19		
DESCRIPTION			
Watching Hill City			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	12.24	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.30	%
DRY DENSITY	$\gamma_d$	93.60	PCF
WET DENSITY	$\gamma$	105.05	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



#### HYDROSTATIC COMPRESSION PHASE



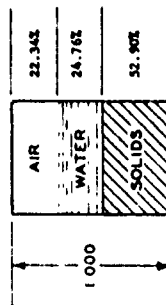
#### TRIAXIAL SHEAR PHASE

HYDROSTATIC PRESSURE,  $p$ , PSI

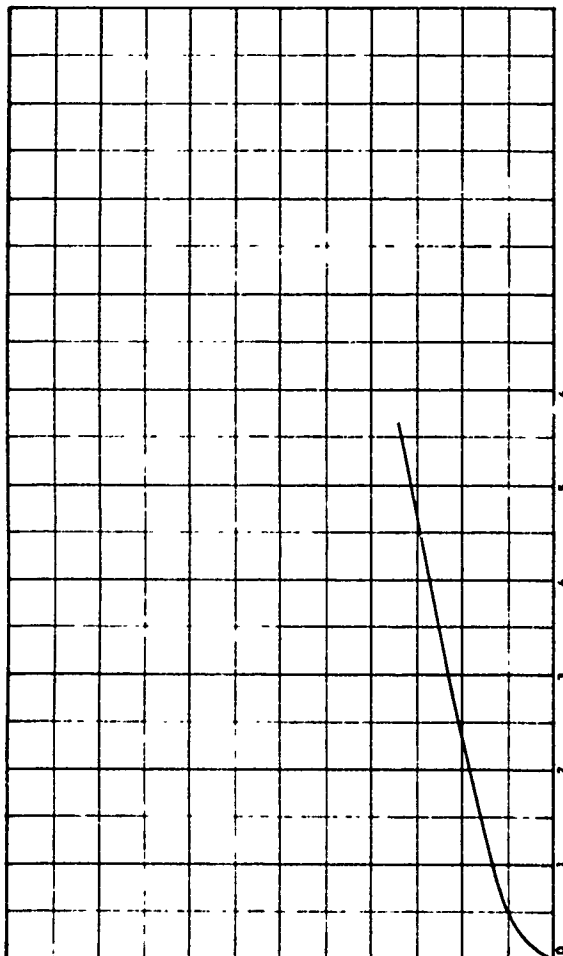
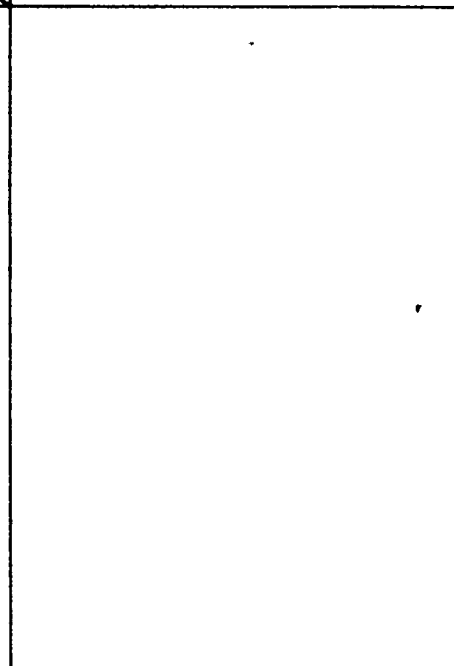
PROJECT <u>Georgia Institute of Technology B-602</u>			
Contract No. <u>MDJ35-67-C-0031</u>			
AREA			
BORING NO.		SAMPLE NO. <u>233</u>	
DEPTH		DATE	
LL	36	PL	17
		PI	19
DESCRIPTION <u>Wichling Hill Clay</u>			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	17.33	%
VOID RATIO	$e_0$	0.89	
SATURATION	$S_0$	52.56	%
DRY DENSITY	$\gamma_d$	89.13	PCF
WET DENSITY	$\gamma$	104.58	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPERMATION DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.64	CM



# HYDROSTATIC COMPRESSION PHASE



# TRIAXIAL SHEAR PHASE

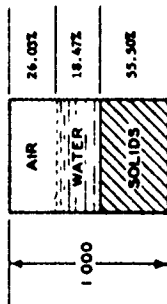
HYDROSTATIC PRESSURE,  $p$ , PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

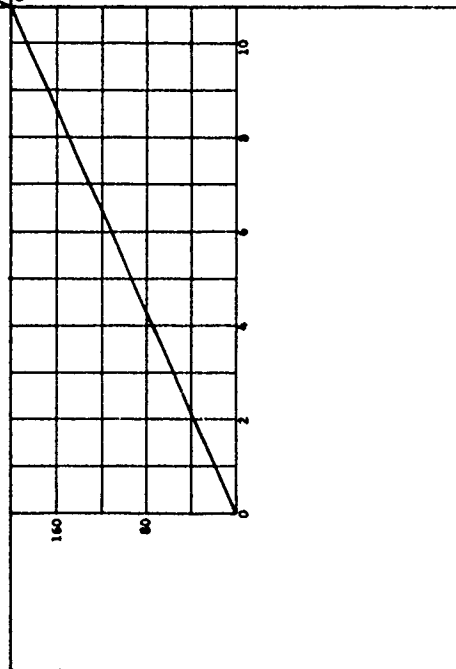
PROJECT Georgia Institute of Technology 3-602			
Contract No. DMC39-67-C-0051			
AREA		SAMPLE NO. 21A	
BORING NO.	DEPTH	DATE	
LL 36	PL 17	PI 19	
DESCRIPTION Watchdog Hill Clay			



WATER CONTENT	W	12.33	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.32	%
DRY DENSITY	$\gamma_d$	93.31	PCF
WET DENSITY	$\gamma$	105.03	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



# HYDROSTATIC COMPRESSION PHASE



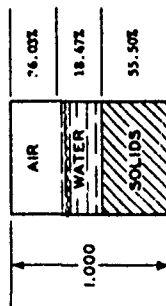
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

# DEVIATOR STRAIN, $\epsilon_d - \epsilon_f$ , PERCENT

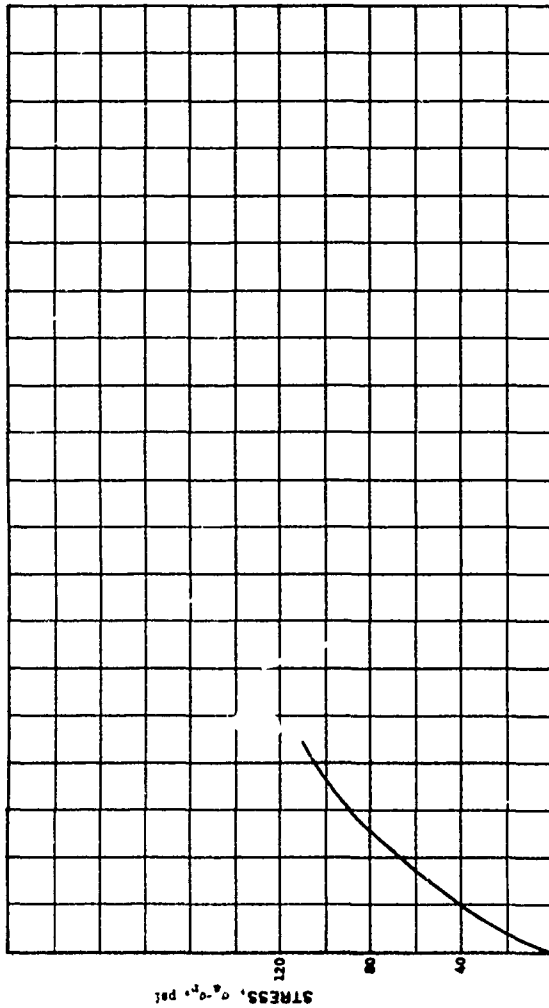
## TRIAxIAL SHEAR PHASE

PROJECT		Ga Tech B-4021	
		Contract No. DMO39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	212	
DEPTH	DATE		
EL	PL	17	PI
LL	36	PL	19
DESCRIPTION			
Watching Mill Clay			

WATER CONTENT	W	12.33	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.52	%
DRY DENSITY	$\gamma_d$	93.51	PCF
WET DENSITY	$\gamma$	105.03	PCF
SPECIFIC GRAVITY	$G_s$	2.67	
COEFFICIENT OF VARIATION	$C_v$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



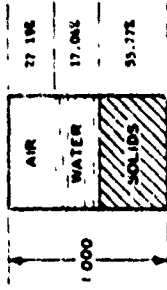
STRAIN, PERCENT  
DECREASE

HYDROSTATIC PRESSURE,  $p, \text{ PSI}$

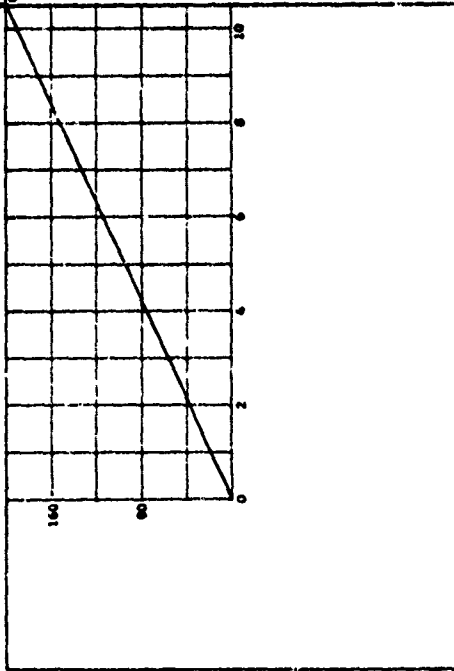
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		On Tech 3-602:	
		Contract No. DMO39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	312	
DEPTH	DATE		
EL			
LL	PL	17	PI 19
DESCRIPTION <u>Weathering Mill Clay</u>			

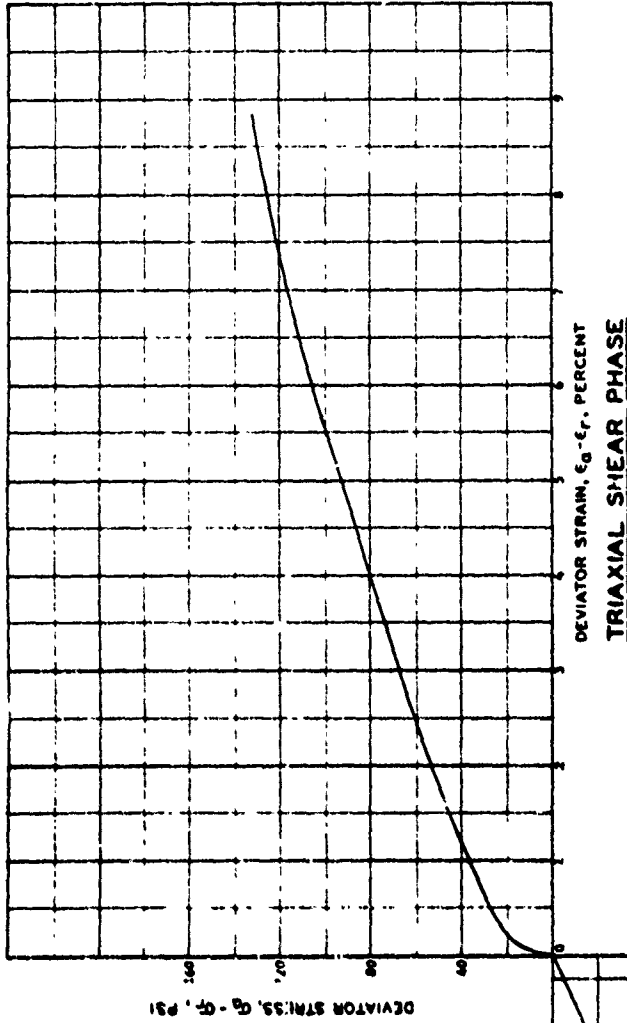
WATER CONTENT	W	11.31	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	36.52	%
WET DENSITY	$\gamma_0$	99.97	PCF
WET DENSITY	$\gamma$	104.60	PCF
WET DENSITY	$\gamma$	2.70	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.61	CM



### HYDROSTATIC COMPRESSION PHASE



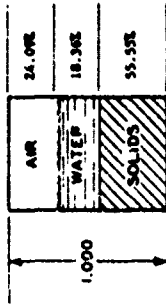
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



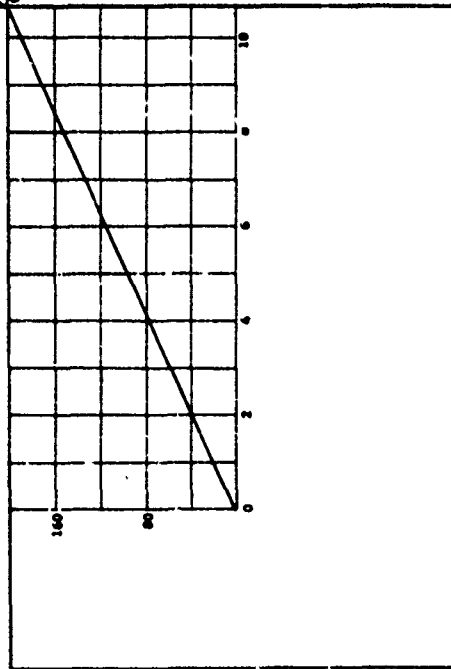
### TRIAxIAL SHEAR PHASE

PROJECT No. Tech B-602,		Contract No. DMC39-67-C-0031	
AREA	BORING NO	SAMPLE NO	213
DEPTH	DATE	PL	17
EL	PI	19	
DESCRIPTION: Weathering Hill Clay			

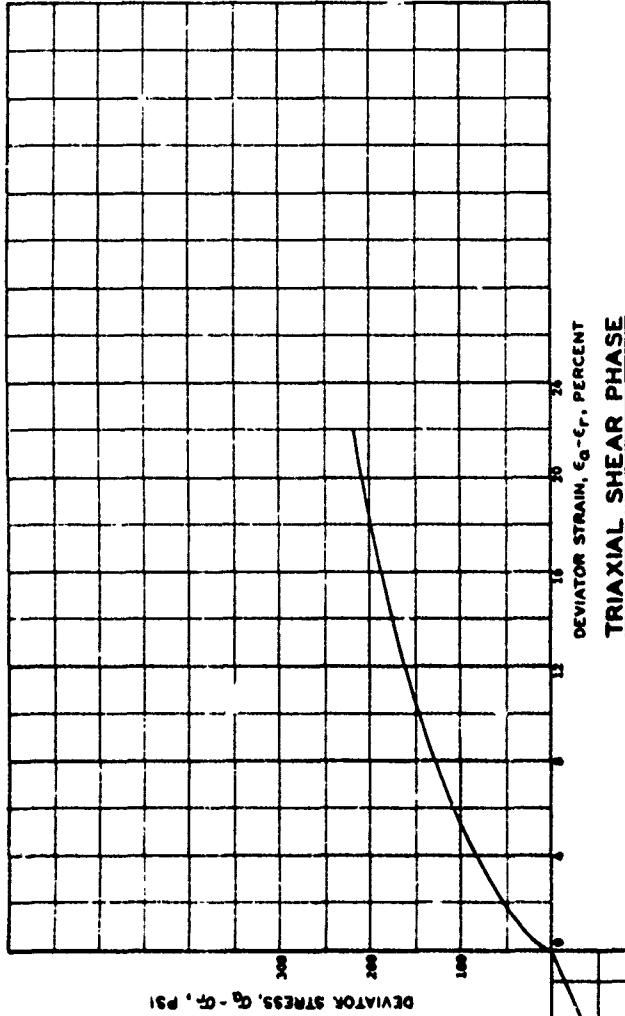
WATER CONTENT	W	12.24	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.30	%
DRY DENSITY	$\gamma_d$	93.60	PCF
WET DENSITY	$\gamma$	105.05	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



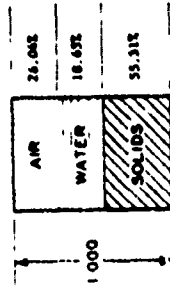
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



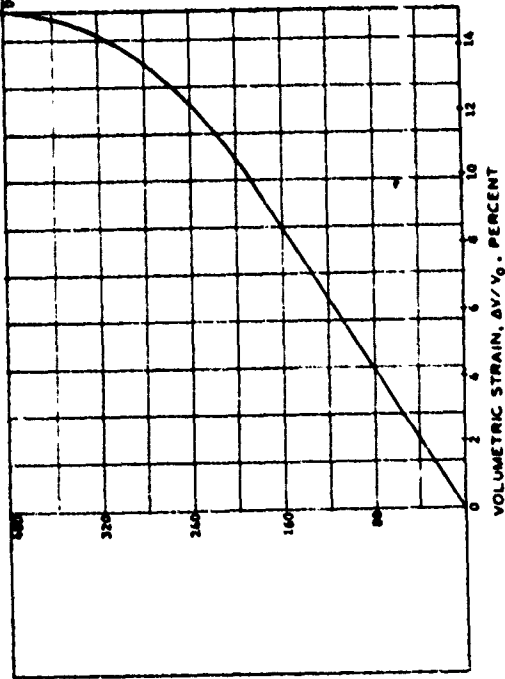
### TRIAXIAL SHEAR PHASE

PROJECT Georgia Institute of Technology B-602			
Contract No. DCA39-67-G-0051			
AREA			
BORING NO.	SAMPLE NO. 233		
DEPTH	DATE		
EL			
LL 36	PL 17	PI 19	
DESCRIPTION Machine Mill Clay			

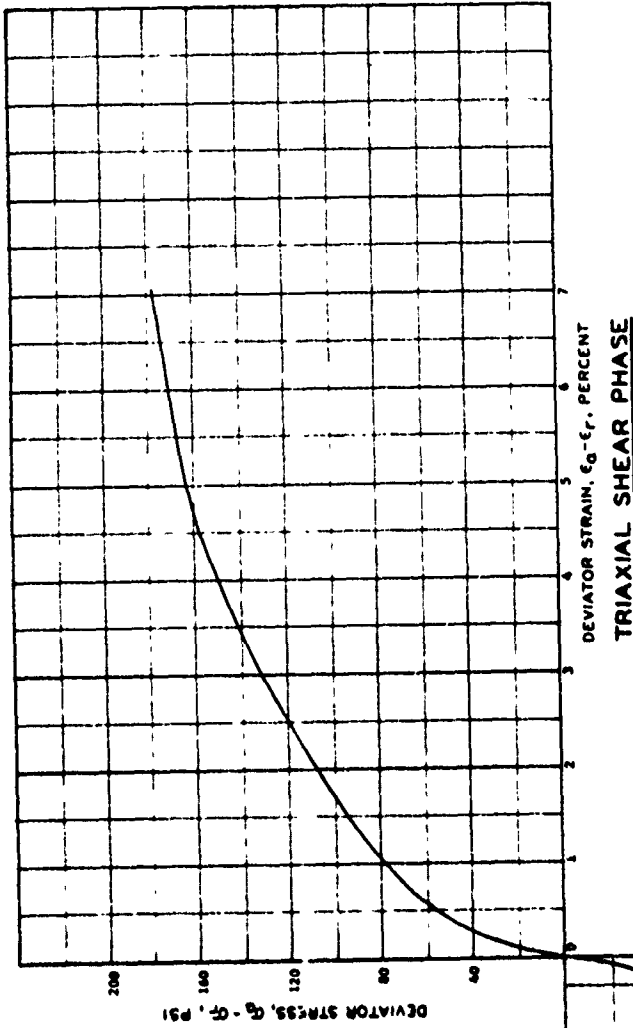
WATER CONTENT	W	12.49	%
VOID RATIO	$e_v$	0.81	
SATURATION	$S_v$	41.73	%
DRY DENSITY	$\gamma_d$	99.18	PCF
WET DENSITY	$\gamma$	106.02	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.90	CM
SPECIMEN HEIGHT	$H_0$	7.50	CM



### HYDROSTATIC COMPRESSION PHASE



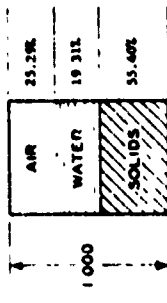
HYDROSTATIC PRESSURE,  $p$ , PSI



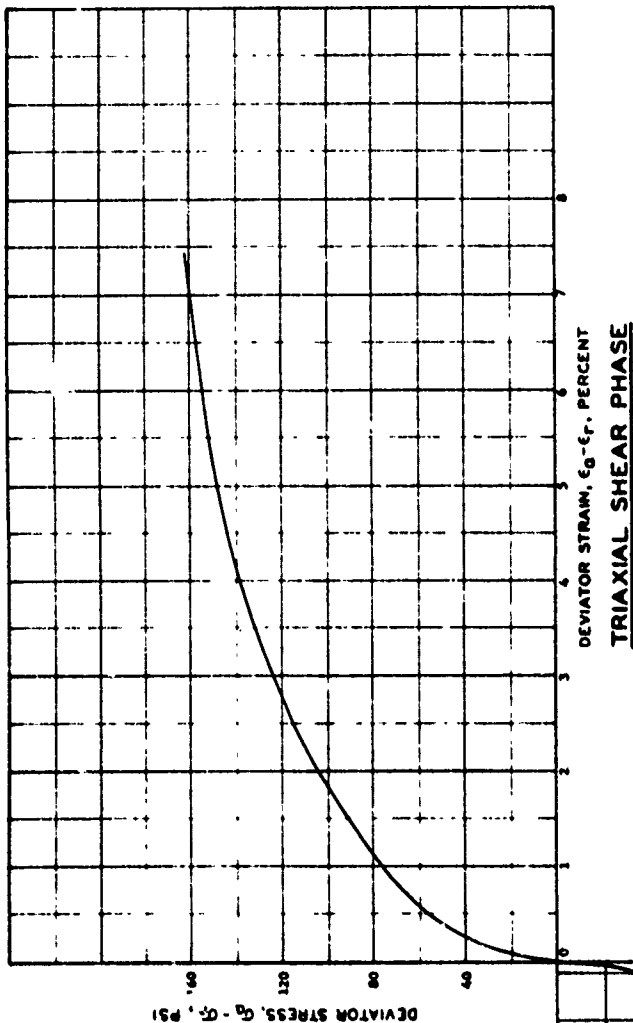
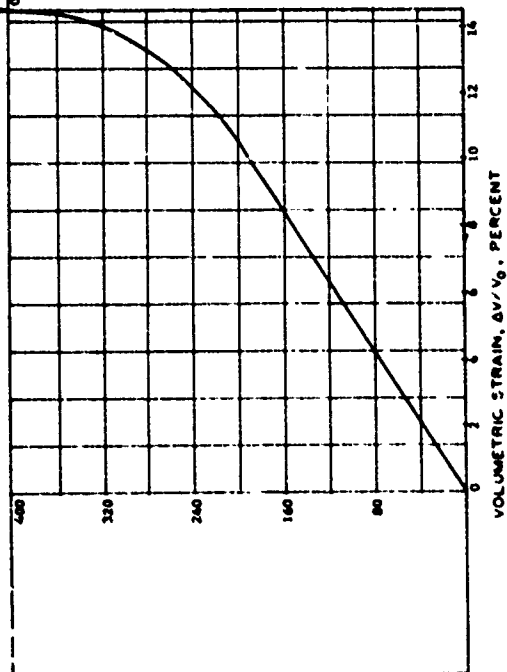
### TRIAxIAL SHEAR PHASE

PROJECT		Co. Tech. B-402	
Contract No.		DMS39-67-C-0031	
AREA	BORING NO.	SAMPLE NO. 211	
DEPTH	DATE		
EL.	PL	17	P1 19
DESCRIPTION: Watchdog Mill Clay			

WATER CONTENT	W	12.91	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	43.31	%
DRY DENSITY	$\gamma_d$	93.34	PCF
WET DENSITY	$\gamma$	109.39	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.61	CM



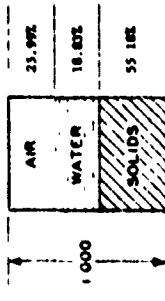
### HYDROSTATIC COMPRESSION PHASE



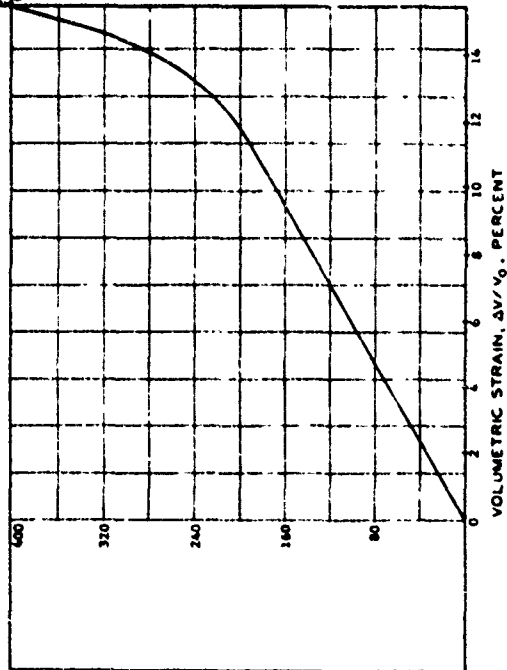
### TRIAxIAL SHEAR PHASE

PROJECT		Geotech B-402	
CONTRACT NO.		DMCA37-67-S-0031	
AREA	BORING NO.	SAMPLE NO.	216
DEPTH	DATE	PL	17
LL	36	PI	19
DESCRIPTION			
Matching Mill Clay			

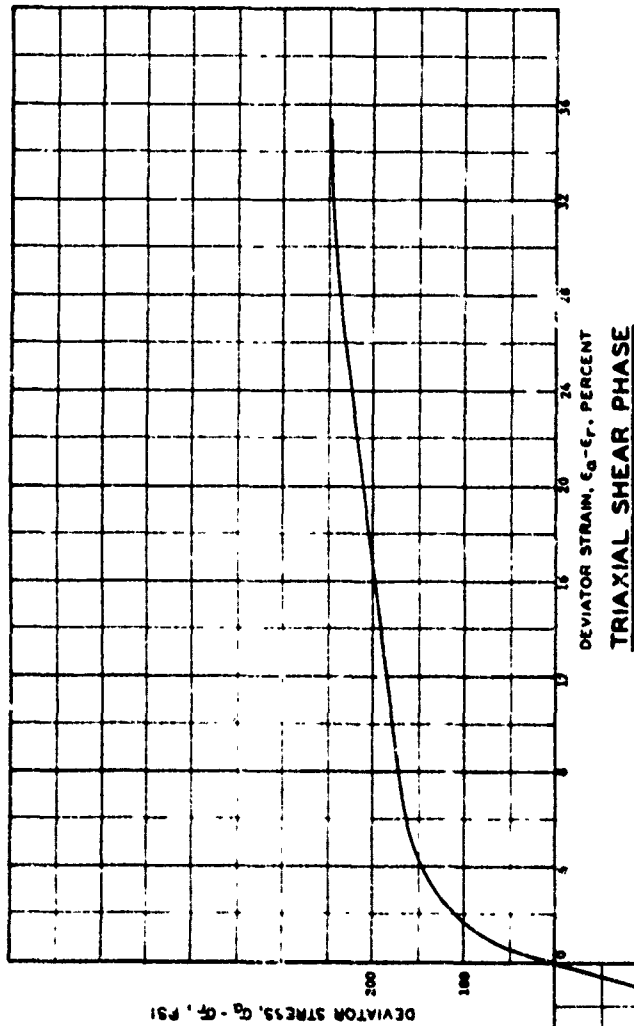
WATER CONTENT		W	12.64	%
VOID RATIO		$e_0$	0.81	
SATURATION		$S_0$	42.01	%
DRY DENSITY		$\gamma_d$	92.97	PCF
WET DENSITY		$\gamma$	104.72	PCF
SPECIFIC GRAVITY		$G_s$	2.70	
SPECIMEN DIAMETER		$D_0$	3.50	CM
SPECIMEN HEIGHT		$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



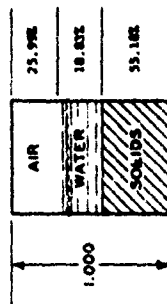
HYDROSTATIC PRESSURE,  $p$ , PSI



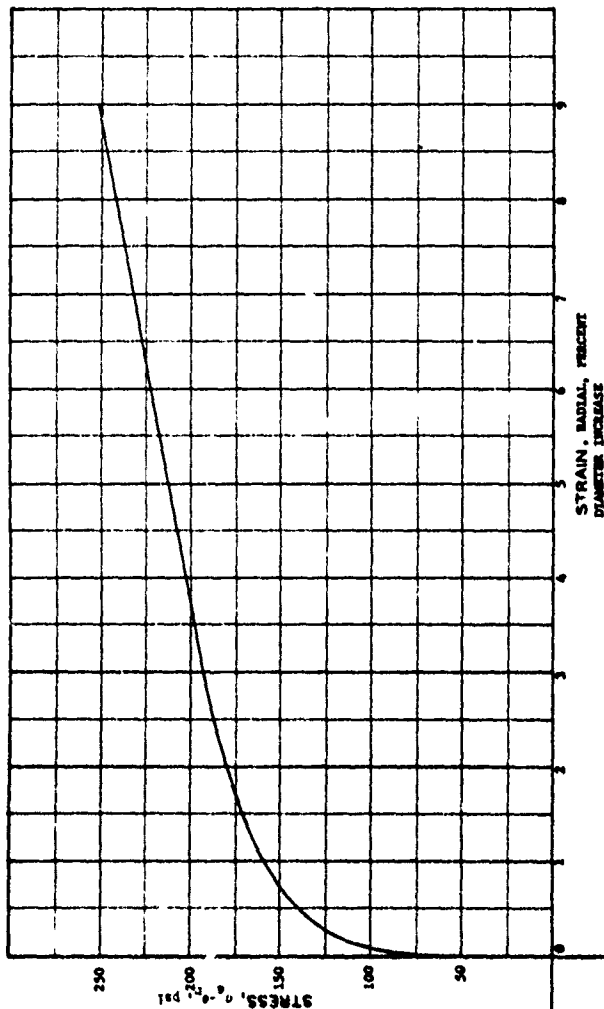
### TRIAxIAL SHEAR PHASE

PROJECT		Ga. Tech. B-602	
CONTRACT NO.		DMD39-07-C-0051	
AREA			
BORING NO.	SAMPLE NO.	218	
DEPTH	DATE		
EL.	PL	17	PI 19
DESCRIPTION			
Weathering Hill Clay			

WATER CONTENT	W	12.44	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_0$	42.01	%
DRY DENSITY	$\gamma_d$	92.97	PCF
WET DENSITY	$\gamma$	106.72	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



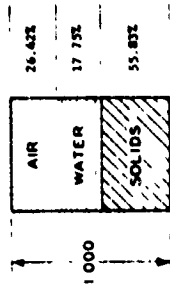
HYDROSTATIC PRESSURE, p, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

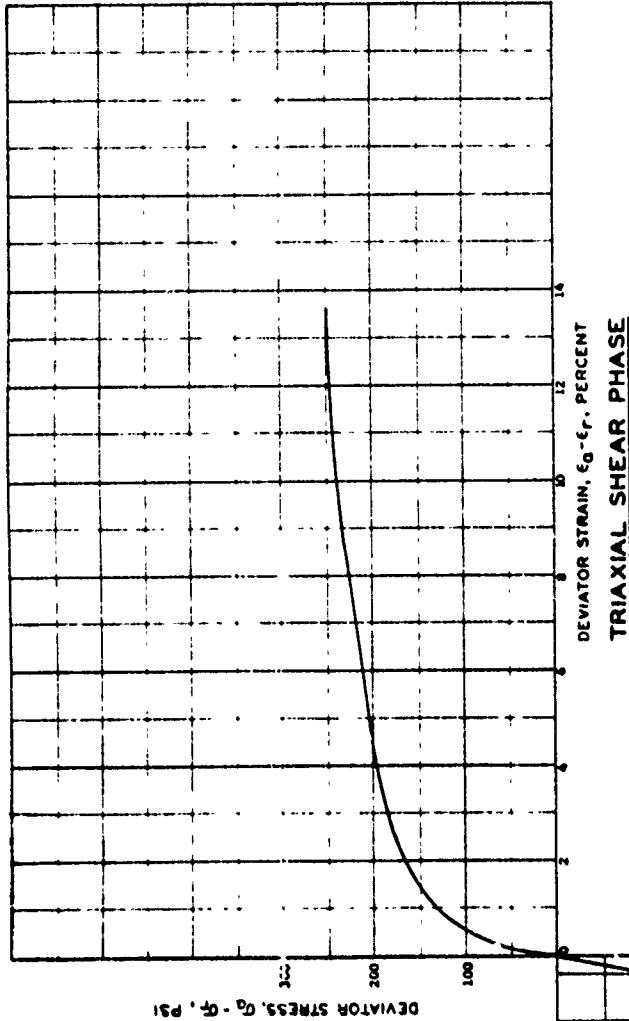
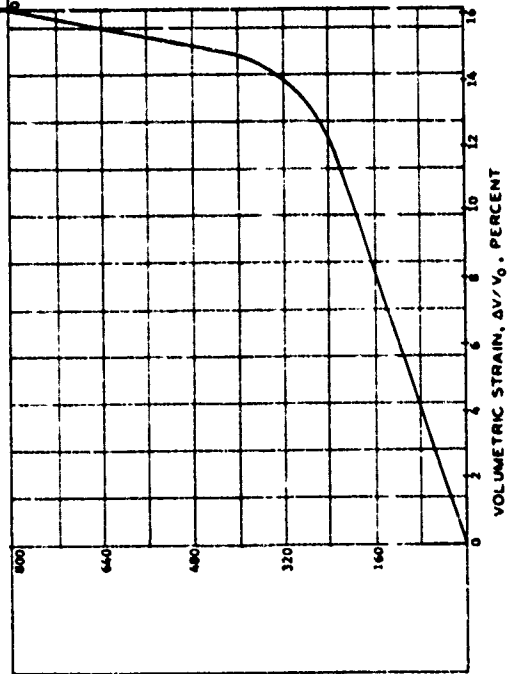
PROJECT		Ca Tech B-602	
Contract No.		DMC39-47-C-0031	
AREA			
BORING NO.	SAMPLE NO.	218	
DEPTH	DATE		
LL	PL	17	PI 19
DESCRIPTION			
Machling Hill Clay			



WATER CONTENT	W	11.77	%
LIQD RATIO	$e_0$	0.79	
SATURATION	$S_0$	40.17	%
DRY DENSITY	$\gamma_d$	94.07	PCF
WET DENSITY	$\gamma$	105.14	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.59	CM



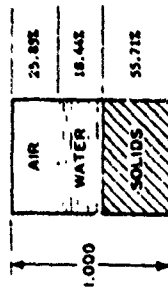
### HYDROSTATIC COMPRESSION PHASE



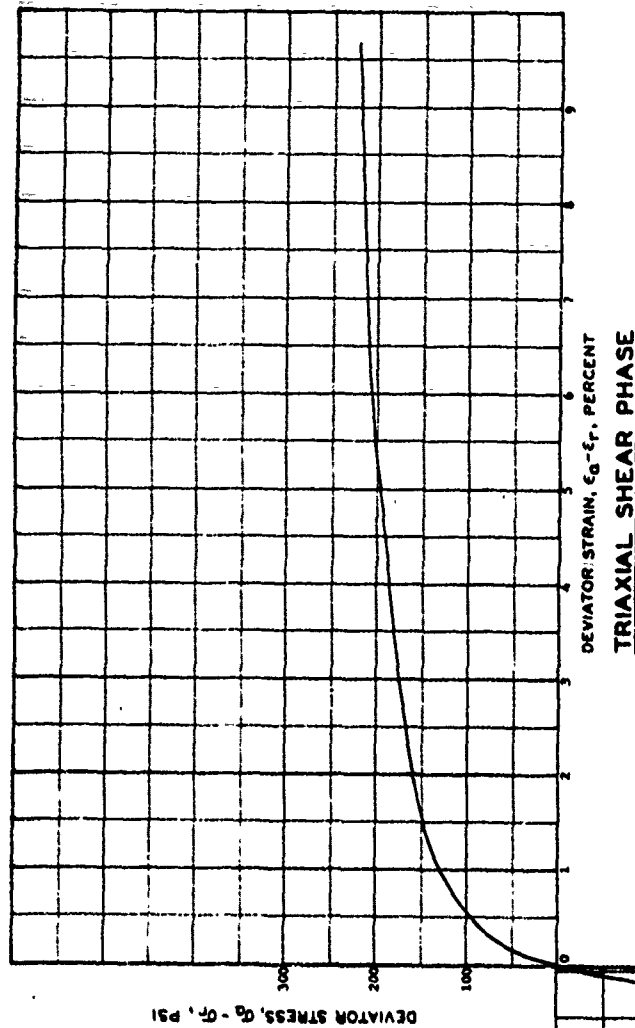
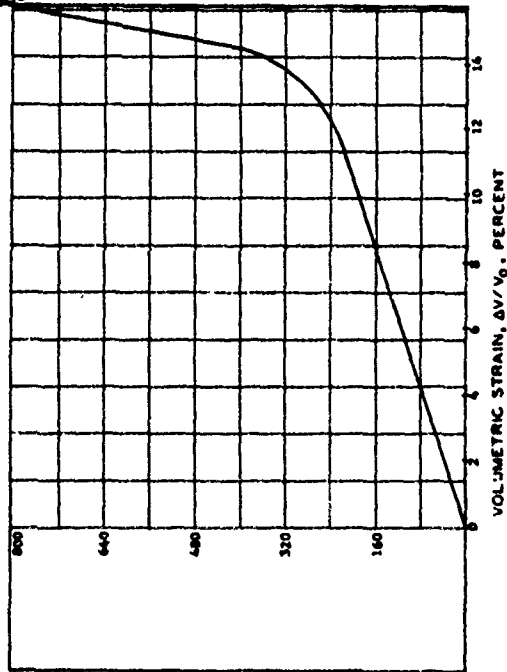
HYDROSTATIC PRESSURE,  $p$ , PSI

PROJECT		Ga Tech B-602,	
		Contract No. DMC35-67-C-0051	
AREA	BORING NO	SAMPLE NO	210
DEPTH	DATE	PL	17
EL	PL	PI	19
DESCRIPTION: Weathering Hill Clay.			

WATER CONTENT	W	12.26	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	41.43	%
DRY DENSITY	$\gamma_d$	95.87	PCF
WET DENSITY	$\gamma$	105.37	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.60	CM



### HYDROSTATIC COMPRESSION PHASE

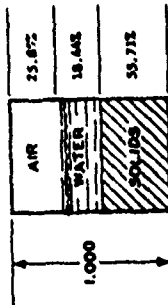


HYDROSTATIC PRESSURE,  $P$ , PSI

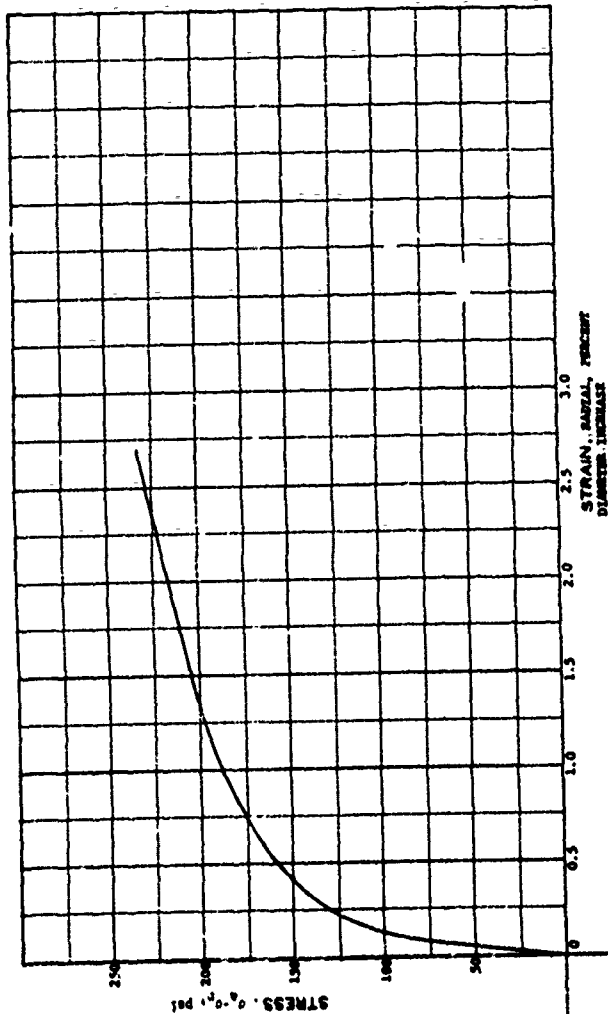
PROJECT		Ga Tech B-602	
CONTRACT NO.		DACA39-67-C-0051	
AREA			
BORING NO.	SAMPLE NO. 214		
DEPTH	DATE		
EL	PL	17	PL 19
DESCRIPTION			
Washington Hill Clay			

1. The data shown on this report were obtained from the test results of the soil samples tested in the triaxial shear test. The test results were obtained from the test results of the soil samples tested in the triaxial shear test. The test results were obtained from the test results of the soil samples tested in the triaxial shear test.

WATER CONTENT	W	12.26	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	41.45	%
DRY DENSITY	$\gamma_d$	93.87	PCF
WET DENSITY	$\gamma$	105.37	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.60	CM



# HYDROSTATIC COMPRESSION PHASE

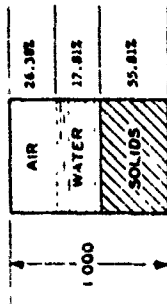


HYDROSTATIC PRESSURE,  $p$ , PSI

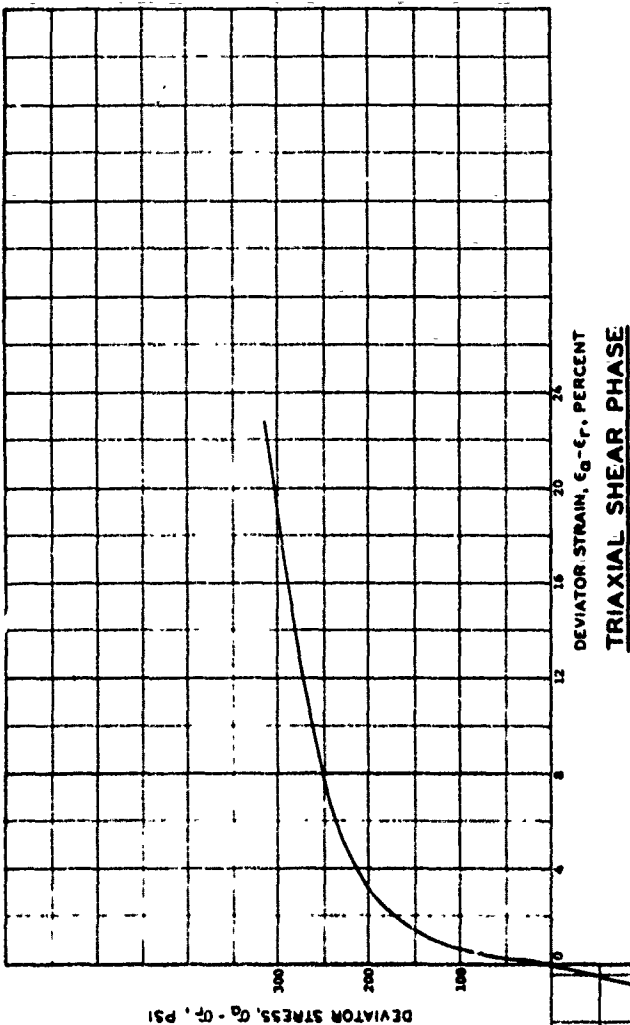
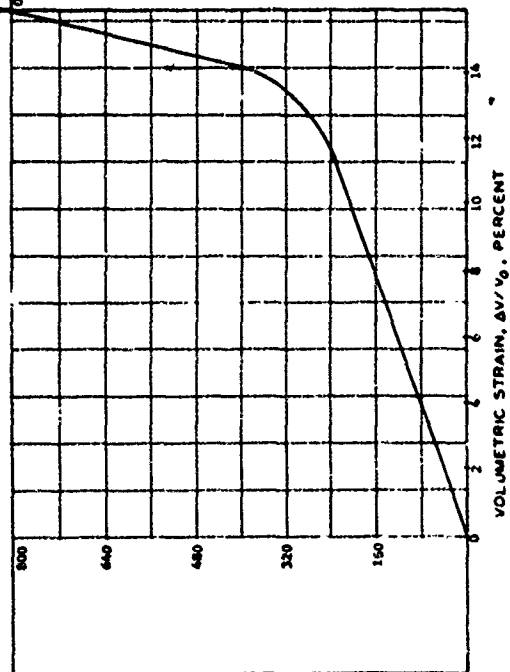
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Ga Tech B-6021			
Contract No. MCAS9-67-C-0051			
AREA		SAMPLE NO. 214	
BORING NO.		DATE	
DEPTH	PL	PL	PI
EL	36	17	19
DESCRIPTION Maching Hill Clay			

WATER CONTENT	W	11.82	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	40.29	%
DR DENSITY	$\gamma_d$	94.02	PCF
WET DENSITY	$\gamma$	105.13	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.60	CM



### HYDROSTATIC COMPRESSION PHASE

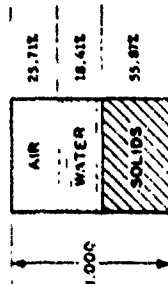


### TRIAxIAL SHEAR PHASE

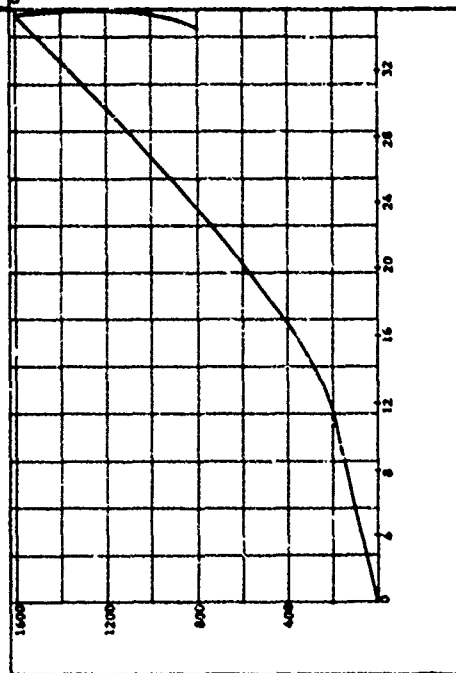
PROJECT		Ga Tech B-602	
Contract No.		DMCA39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	213	
DEPTH	DATE		
LL	PL	17	PL 19
DESCRIPTION			
Watching Hill Clay			

HYDROSTATIC PRESSURE,  $p$ , PSI

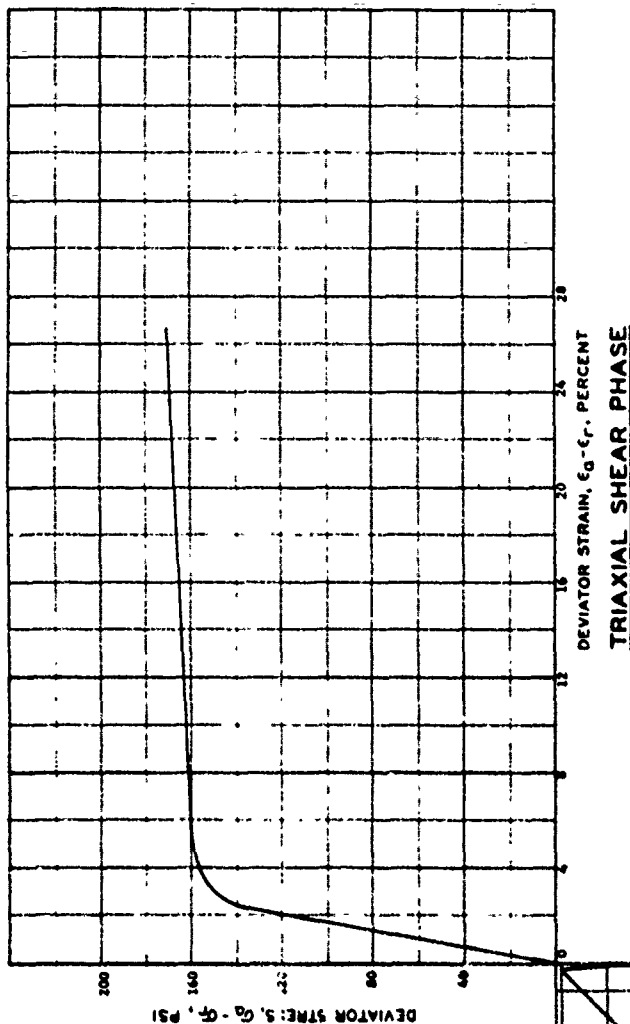
WATER CONTENT	W	12.20	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	41.72	%
DRY DENSITY	$\gamma_d$	94.14	PCF
WET DENSITY	$\gamma$	105.62	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



VOLUME STRAIN,  $\Delta V/V_0$ , PERCENT

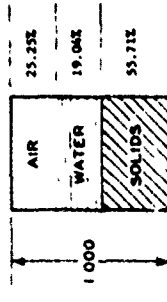


### TRIAxIAL SHEAR PHASE

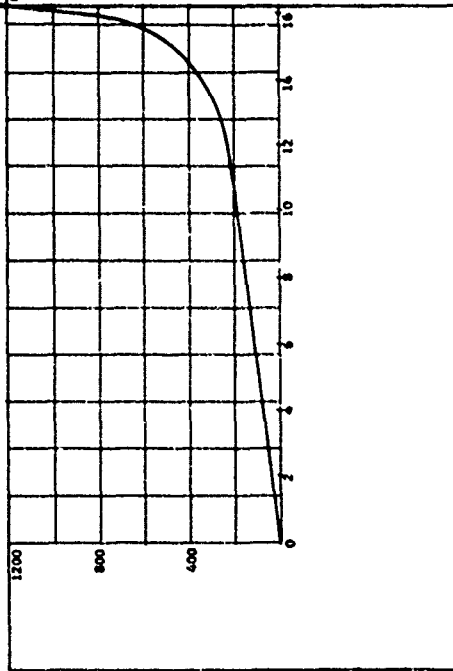
PROJECT		Ga Tech 3-602	
		Contract No. DMO39-67-C-0051	
AREA		SAMPLE NO.	35
BORING NO.		DATE	
DEPTH		PL	17
E.L.		PI	19
DESCRIPTION			
Washing Mill Clay			
Triaxial Test, Compression to 1600 psi, failed to 800 psi			
Shear at 800 psi			

HYDROSTATIC PRESSURE, P, PSI

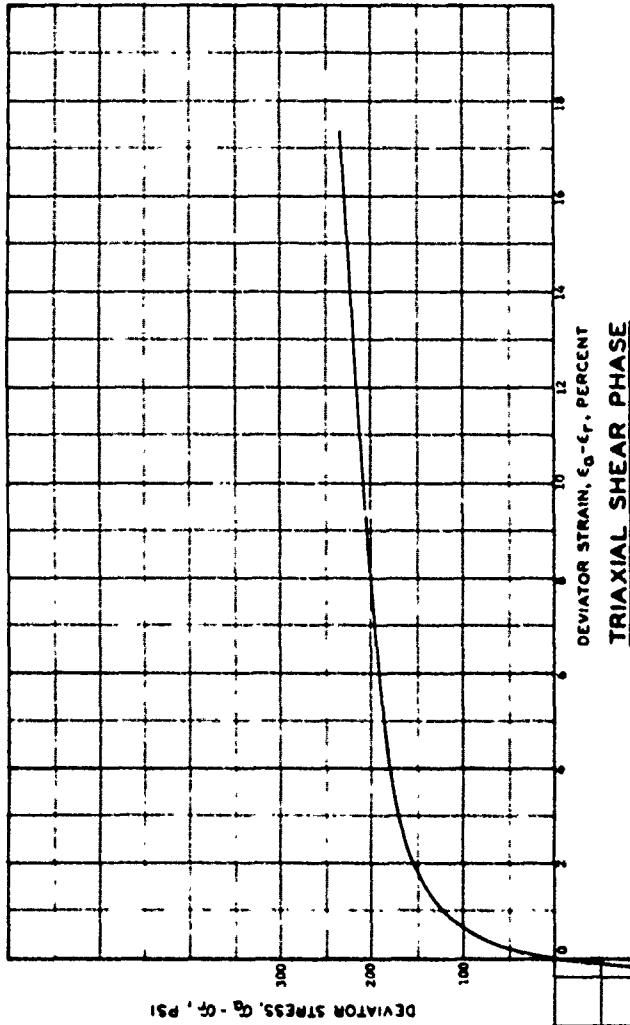
WATER CONTENT	W	12.56	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	42.95	%
DRY DENSITY	$\gamma$	93.85	PCF
WET DENSITY	$\gamma$	105.73	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
ORIGINAL HEIGHT	$H_0$	7.58	CM



### HYDROSTATIC COMPRESSION PHASE



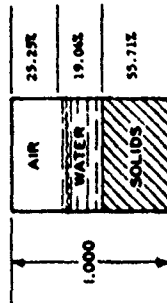
HYDROSTATIC PRESSURE,  $p$ , PSI



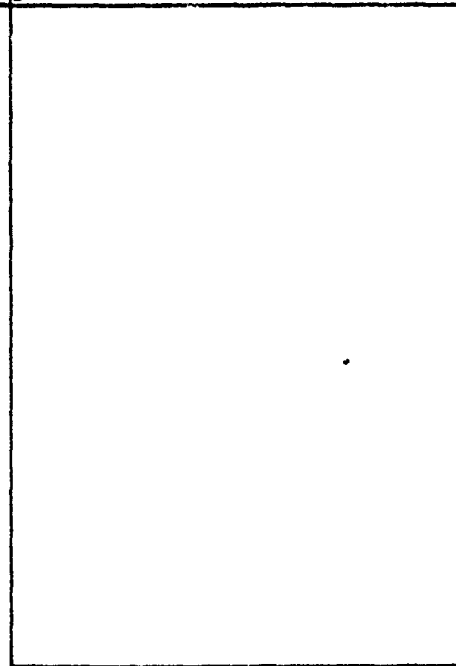
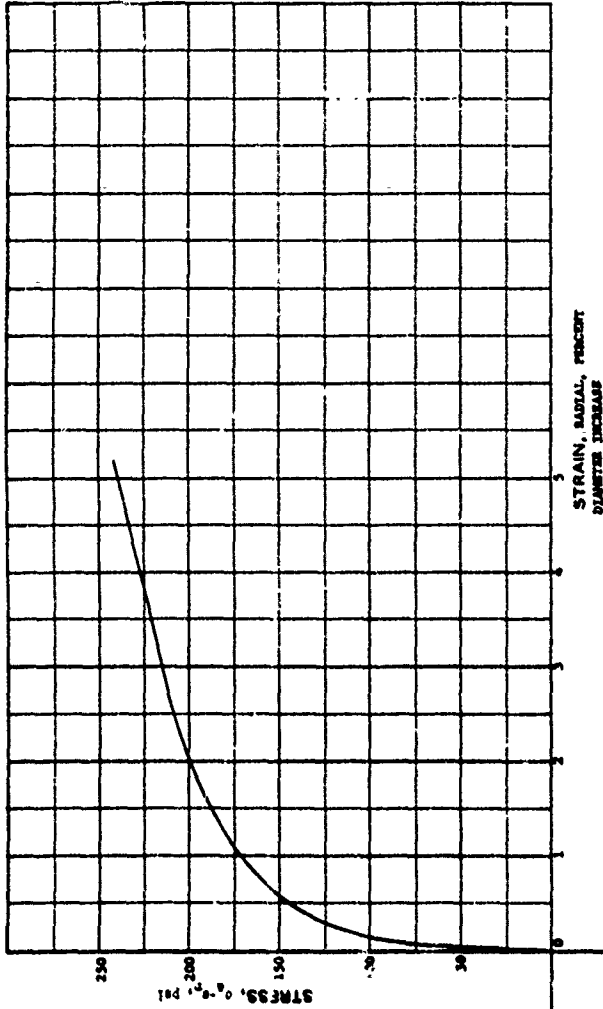
### TRIAxIAL SHEAR PHASE

PROJECT		On Tech B-602:	
Contract No. DMCJ39-67-C-0051			
AREA		SAMPLE NO.	200
BORING NO.		DEPTH	
DATE		DATE	
LL	36	PL	17
PL	19		
DESCRIPTION: Washing Hill Clay			

WATER CONTENT	W	12.66	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	62.99	%
DRY DENSITY	$\gamma_d$	93.85	PCF
WET DENSITY	$\gamma$	105.73	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.50	CM

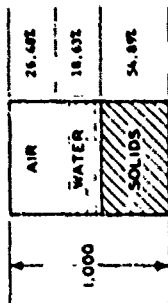


### HYDROSTATIC COMPRESSION PHASE

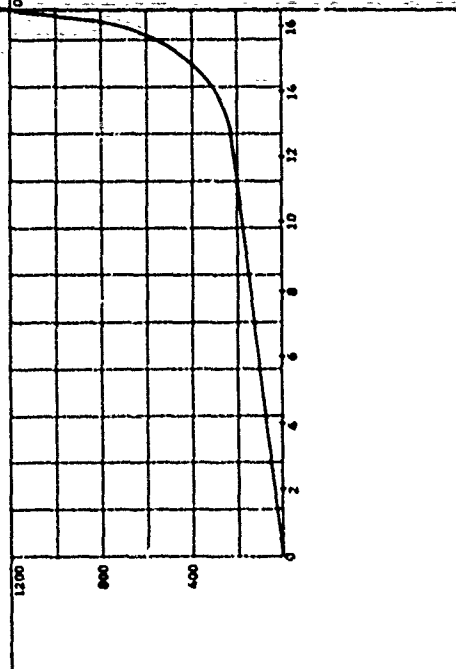


PROJECT		Ca Tech B-602;	
		Contract No. DAC39-67-C-0051	
AREA			
BORING NO.	SAMPLE NO. 200		
DEPTH	DATE		
EL	PL	17	PI 19
DESCRIPTION Matching Mill Clay			

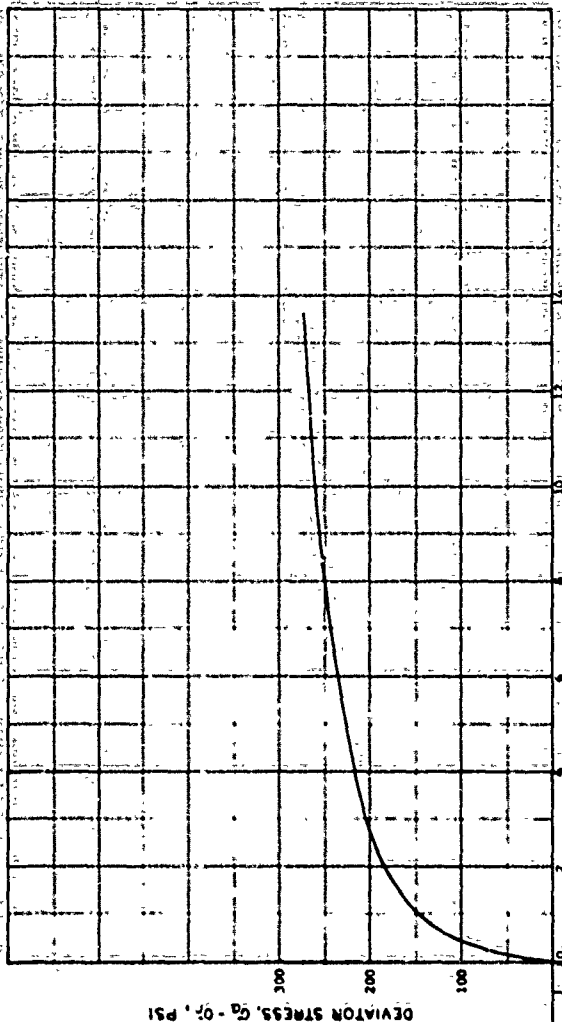
WATER CONTENT	W	12.37	%
VOID RATIO	$e_0$	0.82	
SATURATION	$S_0$	41.30	%
DRY DENSITY	$\gamma_d$	92.48	PCF
WET DENSITY	$\gamma$	104.11	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.60	CM



### HYDROSTATIC COMPRESSION PHASE



HYDROSTATIC PRESSURE,  $P$ , PSI

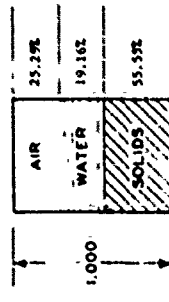


### TRIAxIAL SHEAR PHASE

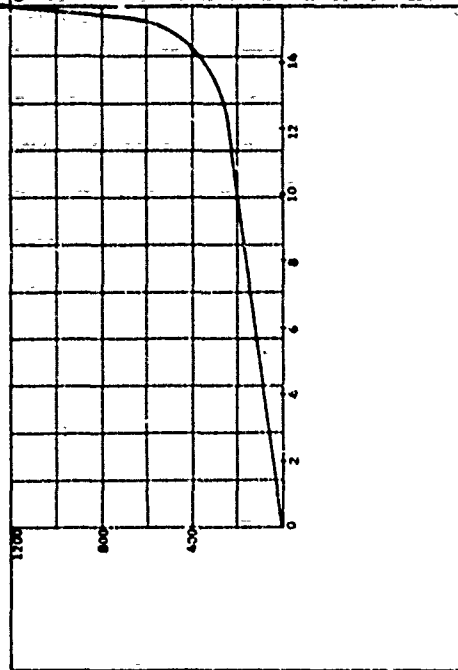
PROJECT: Ga. Tech. B-602;		Contract No. DACW39-67-C-0031	
AREA		SAMPLE NO. 2011	
BORING NO.	DEPTH	DATE	
LL 36	PL 17	PI 19	
DESCRIPTION: Matching Hill Clay			



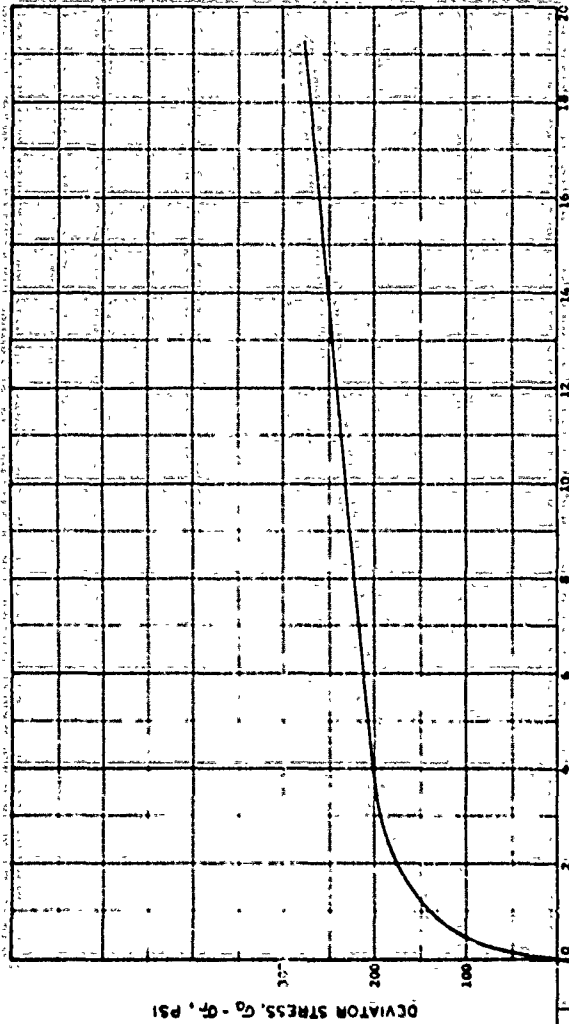
WATER CONTENT	W	12.77	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	43.10	%
DRY DENSITY	$\gamma$	93.59	PCF
WET DENSITY	$\gamma$	105.55	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



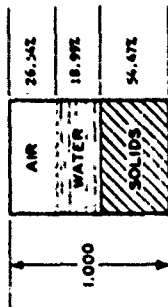
HYDROSTATIC PRESSURE, p, PSI



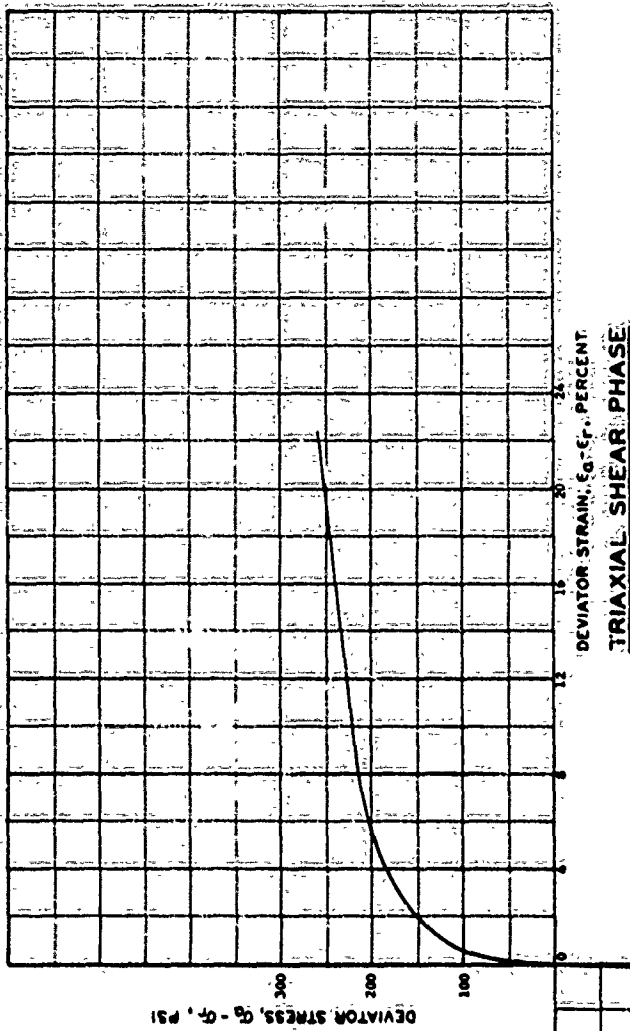
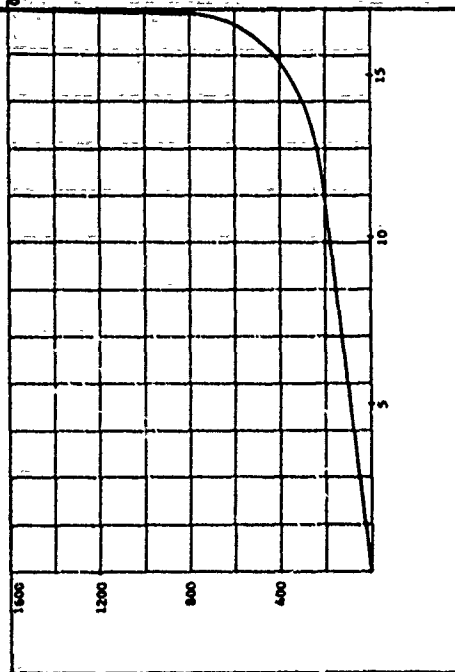
### TRIAxIAL SHEAR PHASE

PROJECT: Co. Tech B-602	
Contract No. DMS39-67-C-0031	
AREA:	
BORING NO:	SAMPLE NO: 209
DEPTH:	DATE:
LL 36	PL 17
PI 19	
DESCRIPTION: Matching Bill Clay	

WATER CONTENT	W	12.91	%
VOID RATIO	$e_0$	0.84	
SATURATION	$S_0$	41.72	%
DRY DENSITY	$\gamma_d$	91.77	PCF
WET DENSITY	$\gamma$	103.62	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
IN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.60	CM



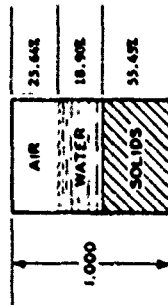
### HYDROSTATIC COMPRESSION PHASE



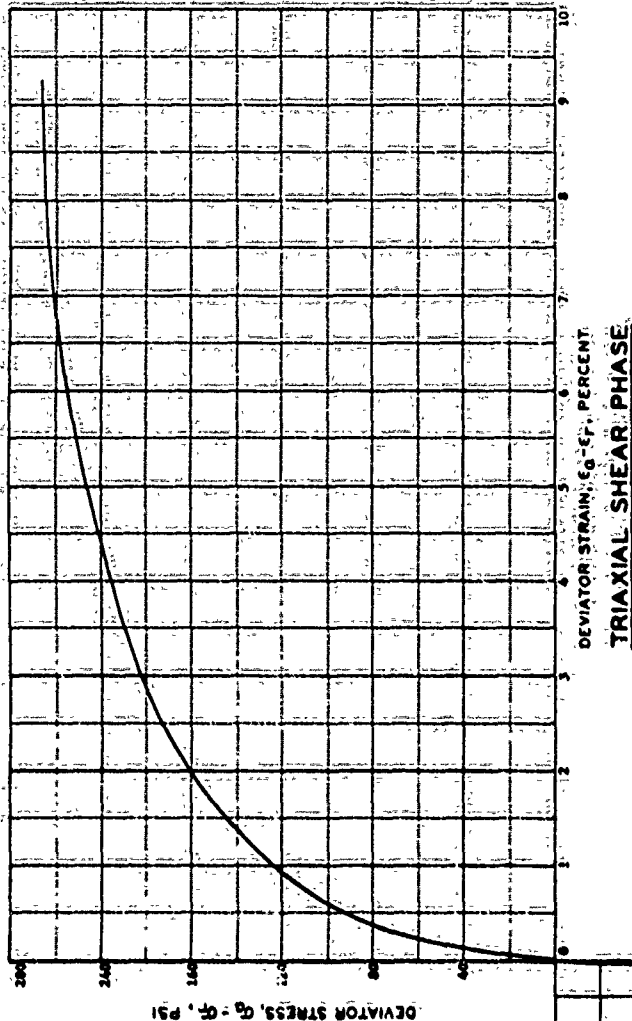
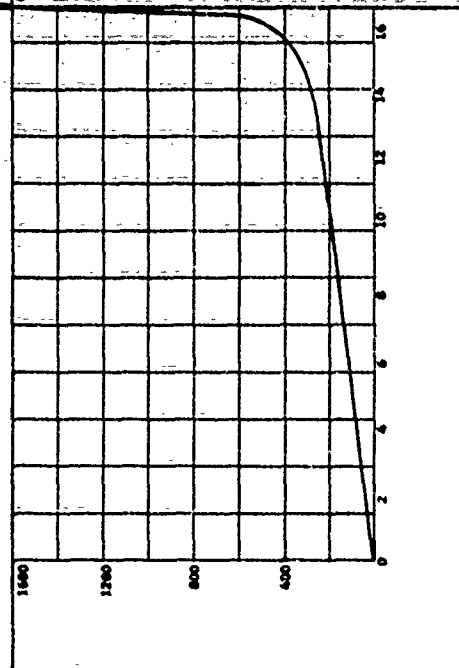
HYDROSTATIC PRESSURE,  $p$ , PSI

PROJECT		GS Tech B-602	
Contract No.		DMC32-67-C-0051	
AREA			
BORING NO.	SAMPLE NO.	206	
DEPTH	DATE		
EL.	PL	17	PI
LL	36	19	
DESCRIPTION: Maching Hill Clay			

WATER CONTENT	W	12.63	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	42.43	%
DRY DENSITY	$\gamma_d$	93.42	PCF
WET DENSITY	$\gamma$	105.22	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



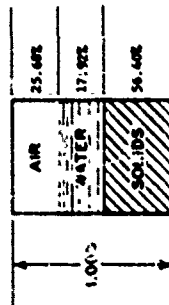
### HYDROSTATIC COMPRESSION PHASE



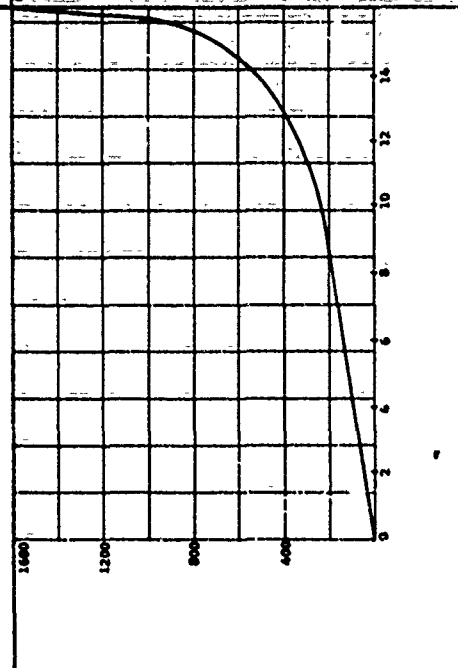
### TRIAxIAL SHEAR PHASE

PROJECT: Georgia Institute of Technology B-602			
Contract No. DMC37-67-G-0031			
AREA	BORING NO.	SAMPLE NO. 249	
	DEPTH	DATE	
LL 34	PL 17	PI 19	
DESCRIPTION: MICHIGAN BELL CLAY			

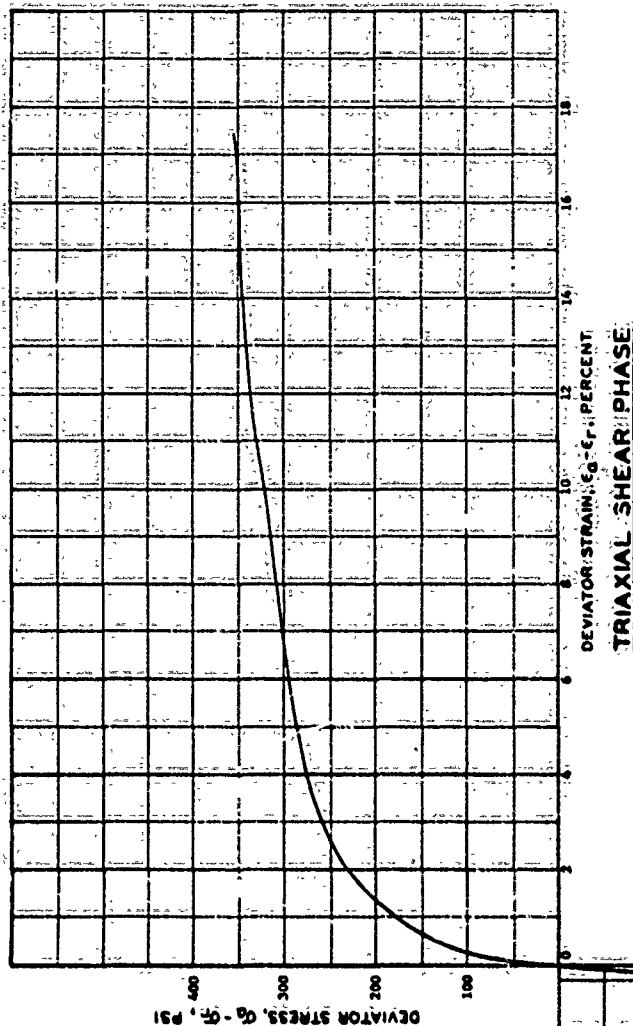
WATER CONTENT	W	11.77	%
VOID RATIO	$e_0$	0.77	
SATURATION	$S_0$	41.11	%
DRY DENSITY	$\gamma_d$	95.03	PCF
WET DENSITY	$\gamma$	106.21	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.47	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT.

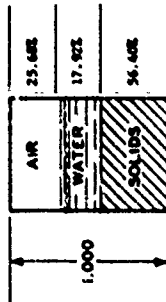


### TRIAxIAL SHEAR PHASE

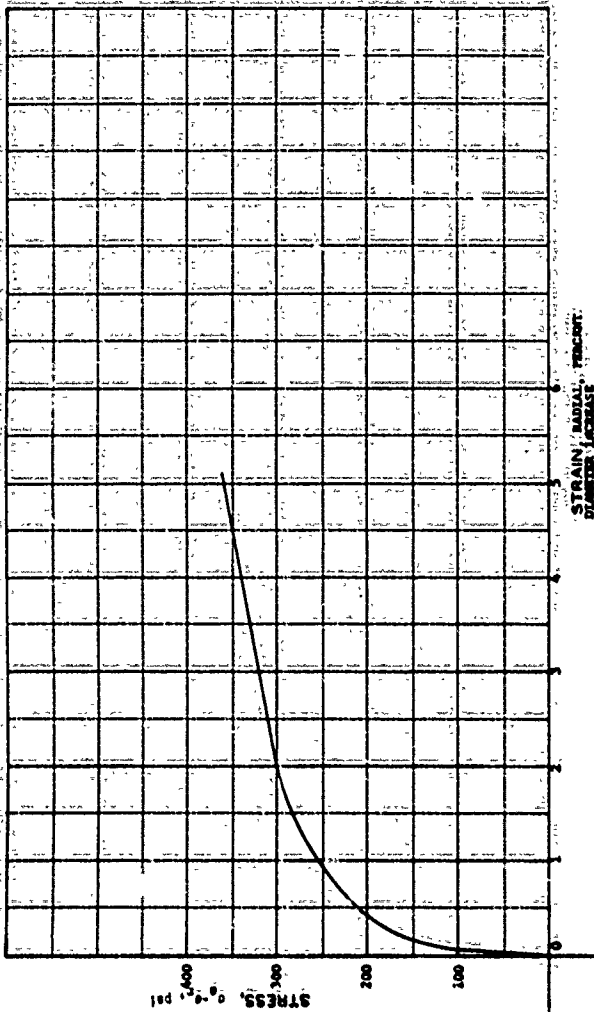
PROJECT		Ca Tech 8-602	
Contract No.		MCA39-67-C-41	
AREA		SAMPLE NO. 250	
BORING NO.		DATE	
DEPTH		PL 17	
EL		PL 19	
DESCRIPTION: Matching Milliclay			

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	11.77	%
VOID RATIO	$e_0$	0.77	
SATURATION	$S_0$	41.11	%
DRY DENSITY	$\gamma_d$	95.00	PCF
WET DENSITY	$\gamma$	106.21	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.47	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE

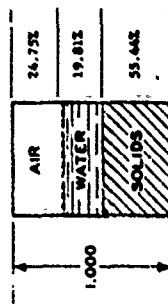


HYDROSTATIC PRESSURE, P, PSI

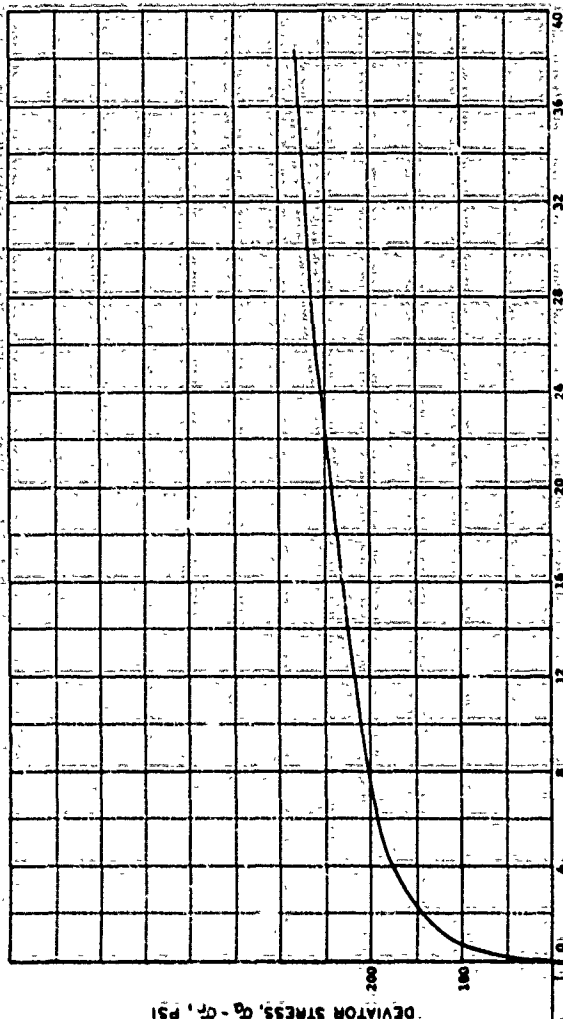
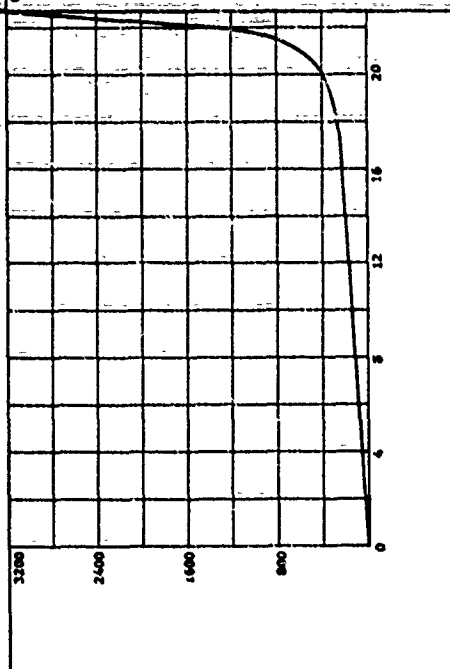
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Ca. 2nd B-602	
		Contract No. DAC39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.		250
DEPTH	DATE		
EL.	PL	17	PI
DESCRIPTION: Wetting Hill Clay			

WATER CONTENT	W	13.24 %
VOID RATIO	$e_0$	0.80
SATURATION	$S_0$	44.47 %
DRY DENSITY	$\gamma_d$	93.60 PCF
WET DENSITY	$\gamma$	105.76 PCF
SPECIFIC GRAVITY	$G_s$	2.75
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.60 CM



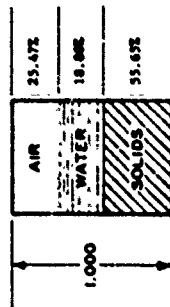
### HYDROSTATIC COMPRESSION PHASE



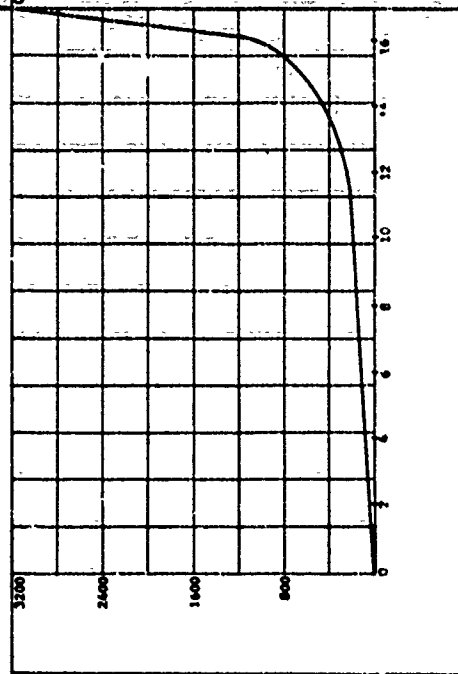
### TRIAxIAL SHEAR PHASE

PROJECT: Georgia Institute of Technology B-602			
Contract No. DCA33-67-C-0031			
AREA		SAMPLE NO. 206	
BORING NO.	DEPTH	DATE	
LL 36	PL 17	PI 19	
DESCRIPTION: <u>Weathered Hill Clay</u>			

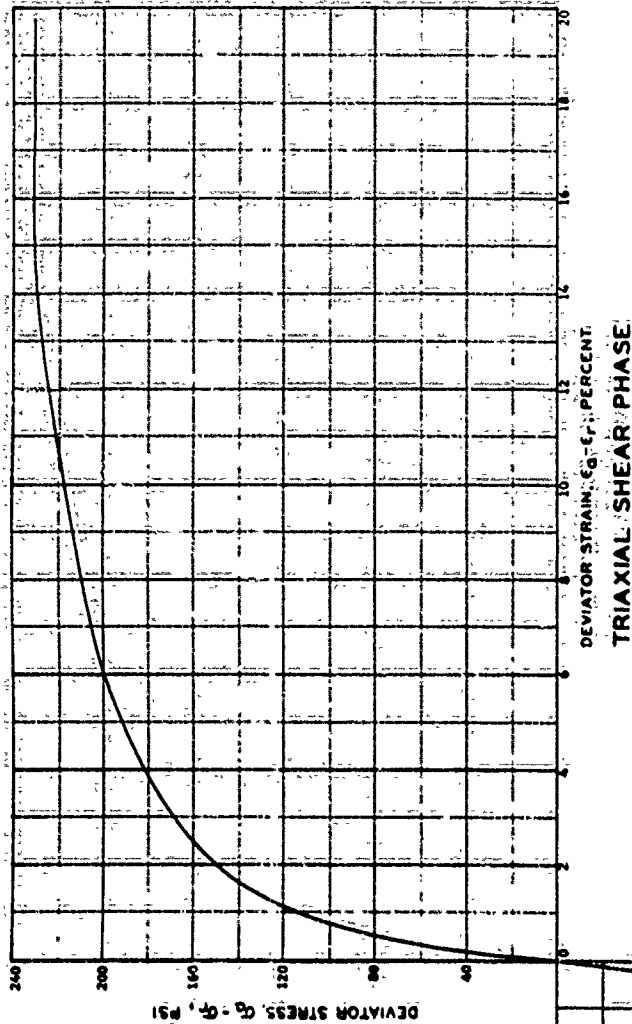
WATER CONTENT	W	12.57	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	42.56	%
DRY DENSITY	$\gamma_d$	93.76	PCF
WET DENSITY	$\gamma$	105.55	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE



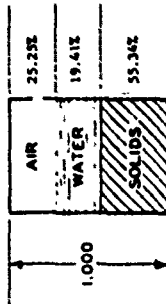
HYDROSTATIC PRESSURE,  $p$ , PSI



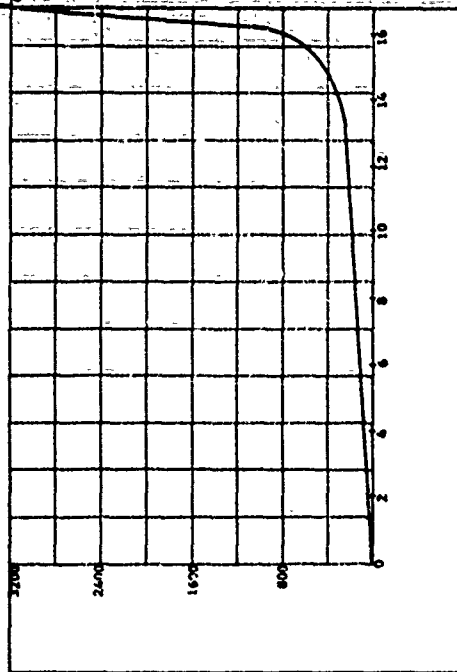
### TRIAxIAL SHEAR PHASE

PROJECT	Ca Tech 3-602	Contract No.	DAC39-67-C-0031
AREA		SAMPLE NO.	251
BORING NO.		DATE	
DEPTH		PL	17
EL.	36	PI	19
DESCRIPTION			
Weather Hill Clay			

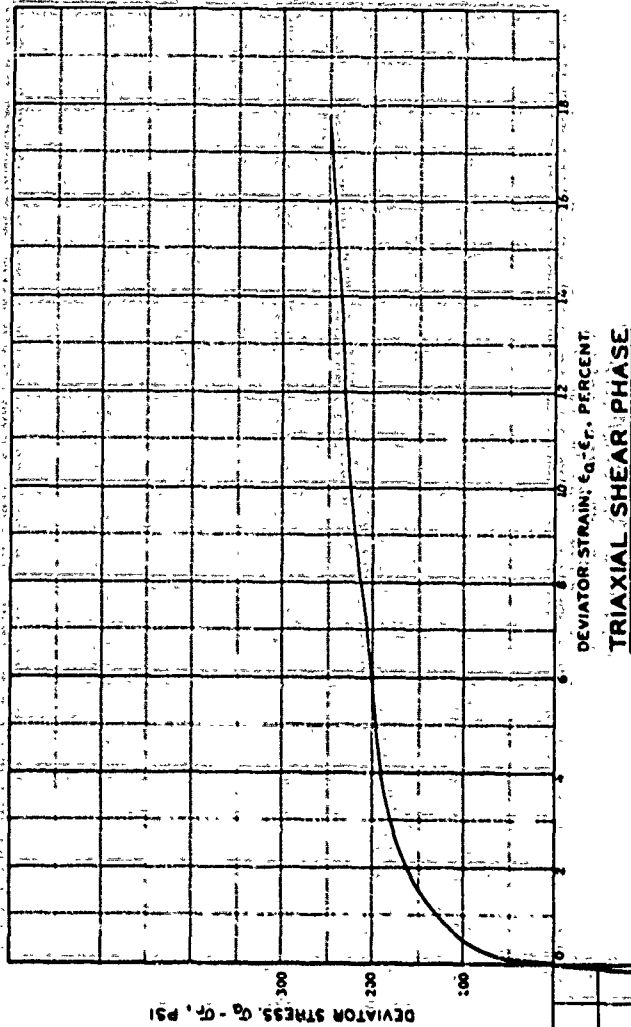
WATER CONTENT	W	12.99	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_0$	43.46	%
DRY DENSITY	$\gamma_d$	91.23	PCF
WET DENSITY	$\gamma$	105.34	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE



HYDROSTATIC PRESSURE,  $p$ , PSI

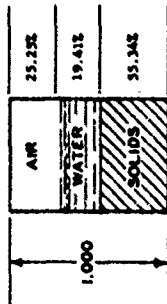


### TRIAxIAL SHEAR PHASE

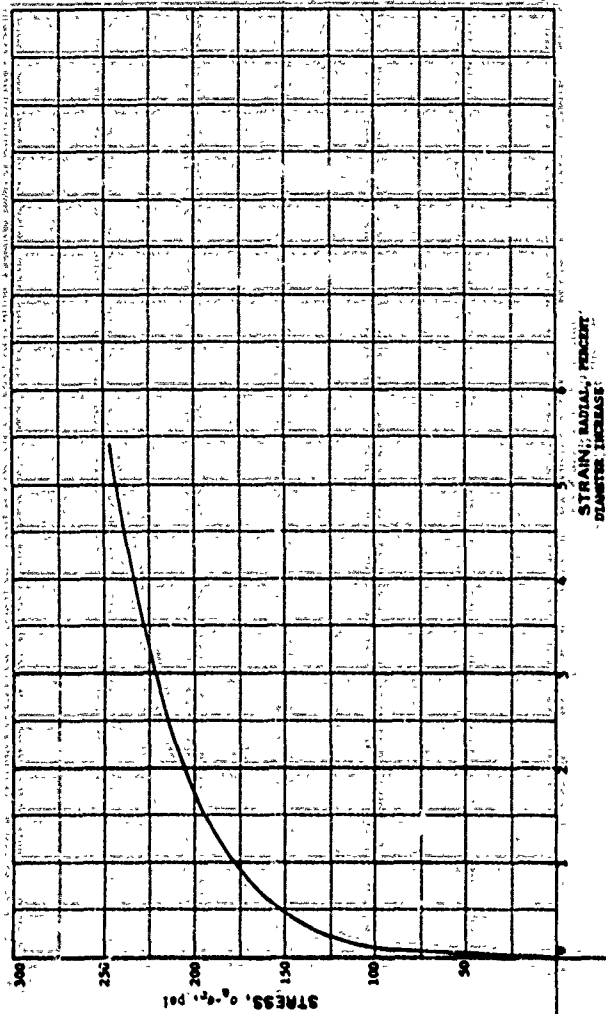
PROJECT	Ga. Tech. S-402		
CONTRACT NO.	DMC39-67-C-0051		
AREA			
BORING NO.	SAMPLE NO. 233		
DEPTH	DATE		
EL.	PL	17	PL
LL	36		19
DESCRIPTION: Weeping Hill Clay			



WATER CONTENT	W	12.99	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_0$	43.46	%
DRY DENSITY	$\gamma_d$	93.23	PCF
WET DENSITY	$\gamma$	105.35	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE



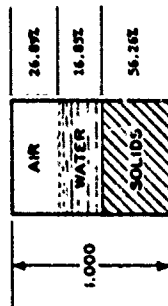
202

HYDROSTATIC PRESSURE,  $p$ , PSI

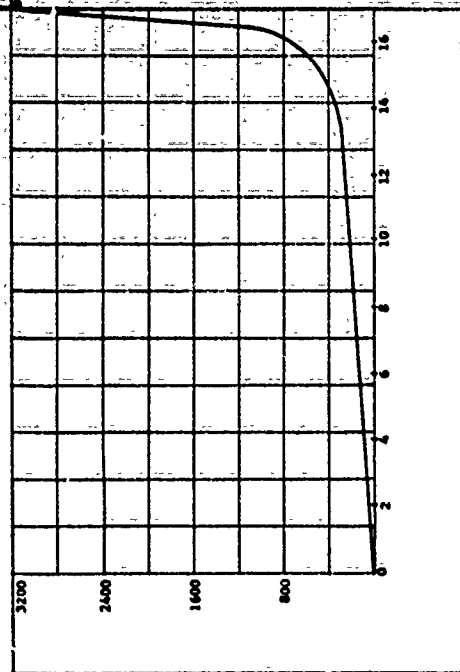
VOLUMETRIC STRAIN,  $\Delta v/v_0$ , PERCENT

PROJECT		Ca Tech B-6022	
		Contract No. DMCJ39-67-C-00511	
AREA			
BORING NO.	SAMPLE NO. 253		
DEPTH	DATE		
EL.	PL	PL	PL
LL	36	17	19
DESCRIPTION: Maching Mill Clay			

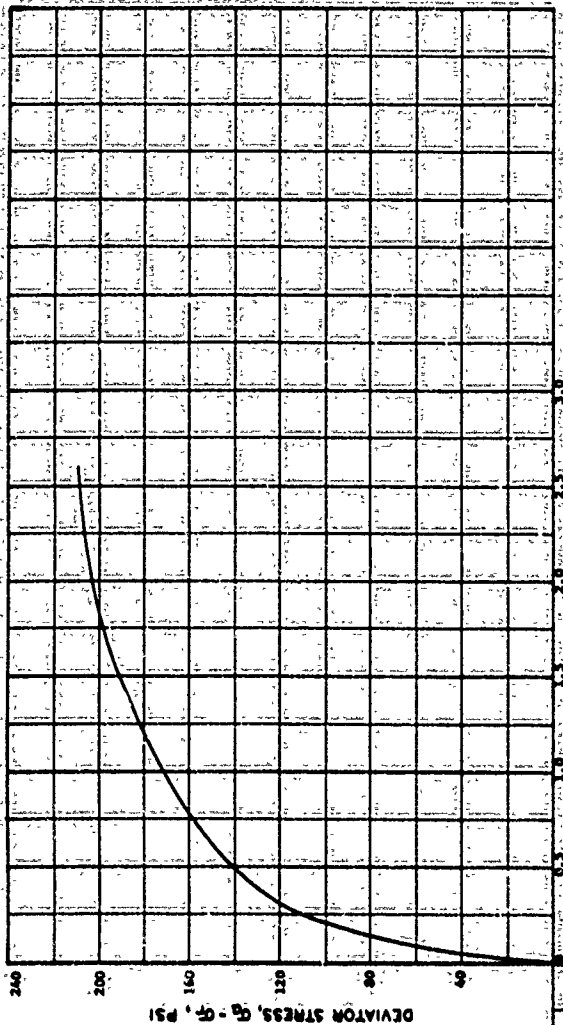
WATER CONTENT	W	11.09	%
VOID RATIO	$e_0$	0.78	
SATURATION	$S_0$	38.32	%
DRY DENSITY	$\gamma_d$	94.79	PCF
WET DENSITY	$\gamma$	105.31	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE



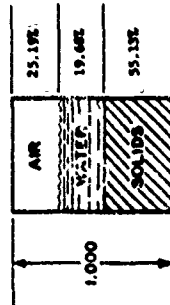
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



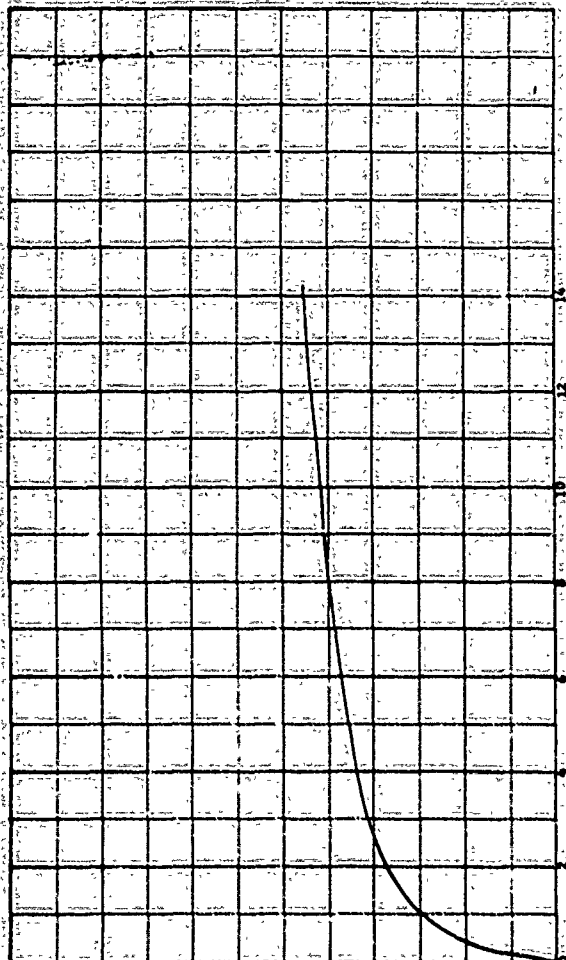
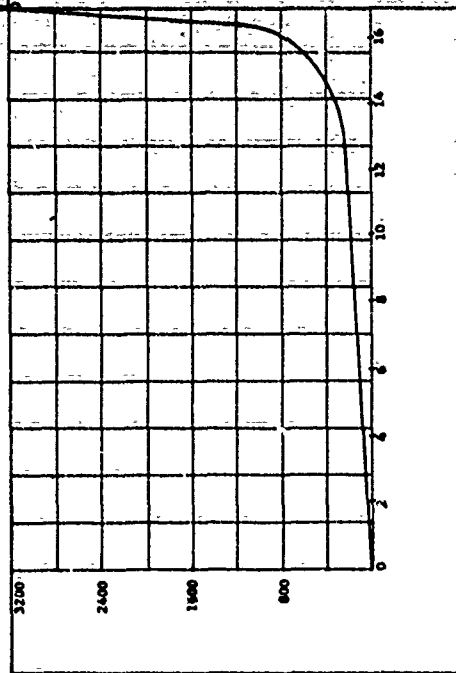
### TRIAXIAL SHEAR PHASE

PROJECT		Ge Tech 3-602	
		Contract No. DAC39-67-C-0031	
AREA			
BORING NO.		SAMPLE NO.	268
DEPTH		DATE	
LL	36	PL	17
		PI	19
DESCRIPTION		Marshall Hill Clay	

WATER CONTENT	W	13.22	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_0$	43.86	%
DRY DENSITY	$\gamma_d$	92.89	PCF
WET DENSITY	$\gamma$	105.16	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



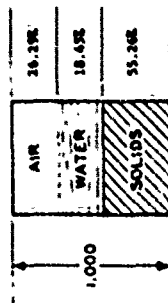
### HYDROSTATIC COMPRESSION PHASE



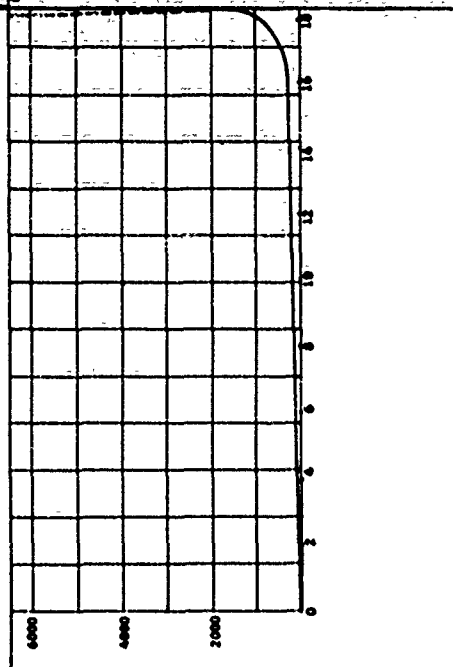
### TRIAxIAL SHEAR PHASE

PROJECT: GS Tech B-602	
Contract No. DCA39-67-C-0031	
AREA:	
BORING NO.	SAMPLE NO. 341
DEPTH	DATE
EL	PL 17
LL 36	PL 19
DESCRIPTION: Leaching Hill Clay	

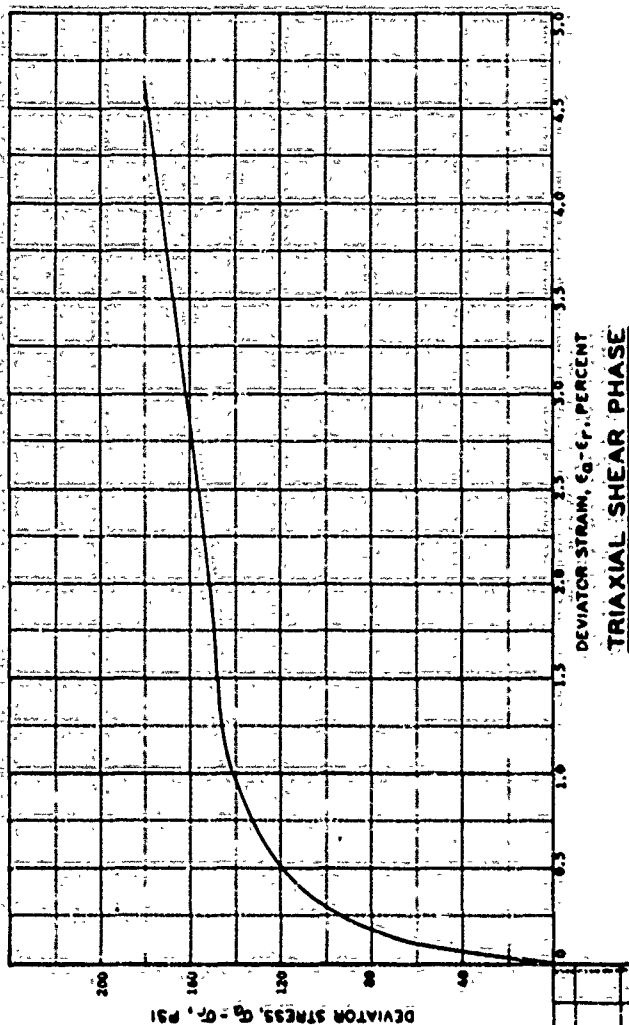
WATER CONTENT	W	12.37 %
VOID RATIO	$e_0$	0.81
SATURATION	$S_0$	41.25 %
DRY DENSITY	$\gamma_d$	99.11 PCF
WET DENSITY	$\gamma$	104.42 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

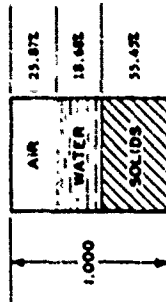


### TRIAxIAL SHEAR PHASE

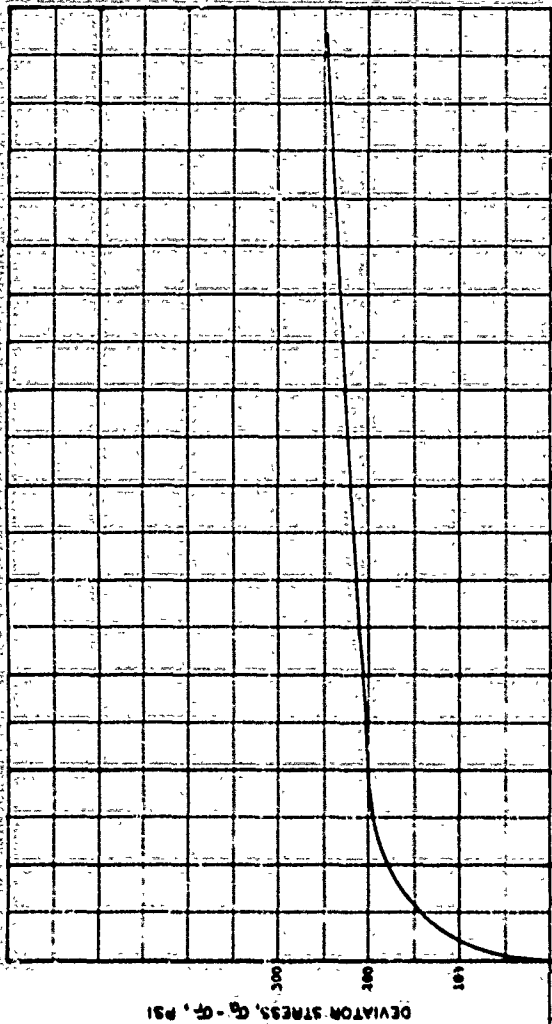
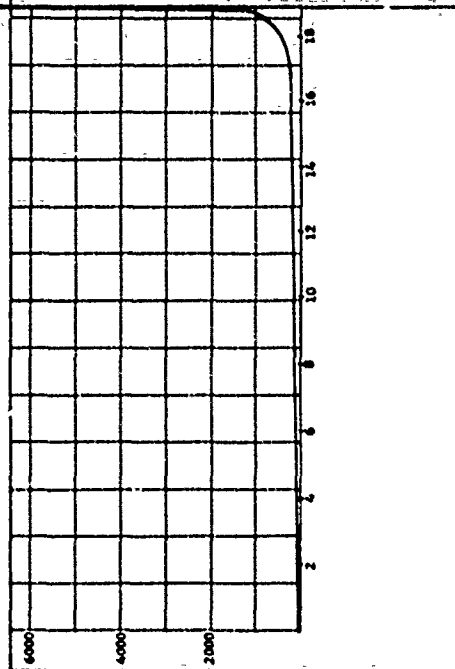
PROJECT No. J-642		CONTRACT No. MCADP-67-C-0051	
AREA		SAMPLE NO. 336	
BORING NO.	DEPTH	DATE	
LL 36	PL 17	P1 19	
DESCRIPTION Machine Built Clay			
Triaxial Test			
Lateral Pressure, 6400 psi			

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	12.48	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.93	%
DRY DENSITY	$\gamma_d$	93.43	PCF
WET DENSITY	$\gamma$	105.08	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



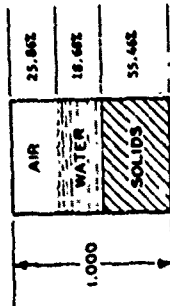
### HYDROSTATIC COMPRESSION PHASE



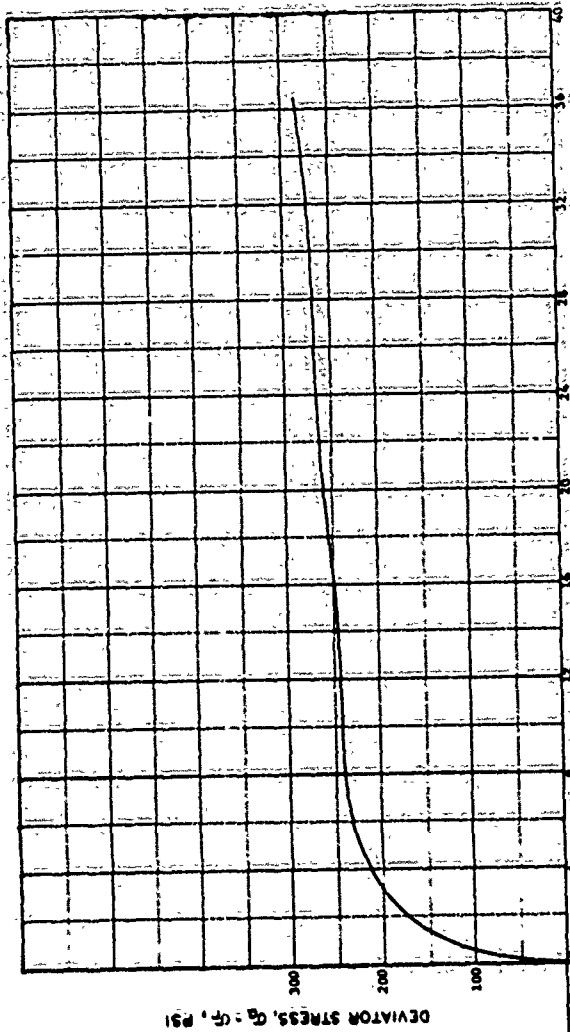
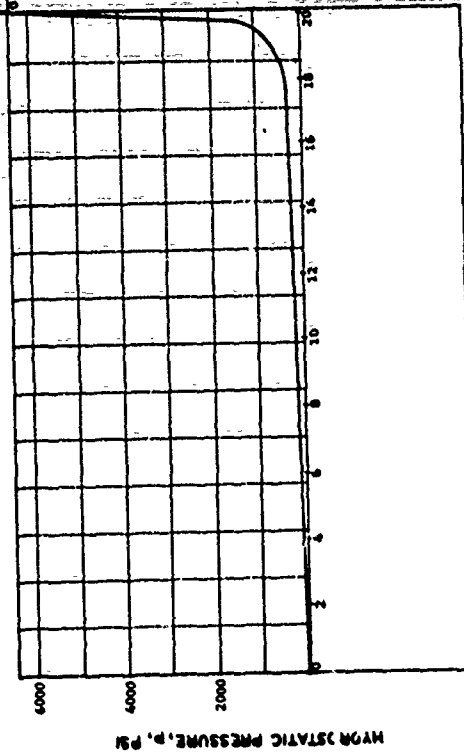
### TRIAxIAL SHEAR PHASE

PROJECT: Ga Tech 3-6021			
Contract No: DMC139-67-C-0031			
AREA	BORING NO:	SAMPLE NO:	DATE
	DEPTH:		
LL	PL	PI	19
DESCRIPTION: Washing Mill Clay			

WATER CONTENT	W	12.47	%
VOID RATIO	$e$	0.80	
SATURATION	$S_u$	61.96	%
DRY DENSITY	$\gamma_d$	93.44	PCF
WET DENSITY	$\gamma$	105.10	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
WET DENSITY DIAMETER	$D_w$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.42	CM



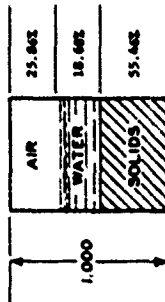
### HYDROSTATIC COMPRESSION PHASE



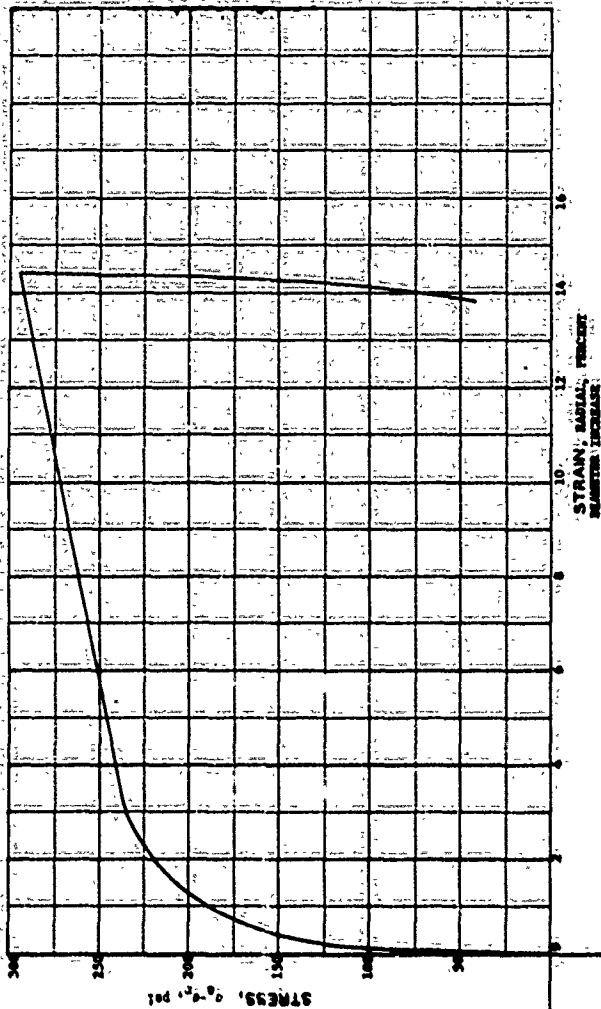
### TRIAxIAL SHEAR PHASE

PROJECT: Ge Tech 3-602		Contract No. DMCA39-67-C-0051	
AREA:	BORING NO.	SAMPLE NO.	DATE
DEPTH:	EL.	PL	PI
LL	36	17	19
DESCRIPTION: Matching Mill Clay			

WATER CONTENT	W	12.47 %
VOID RATIO	$e_0$	0.80
SATURATION	$S_0$	41.94 %
DRY DENSITY	$\gamma_d$	99.44 PCF
WET DENSITY	$\gamma$	109.10 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



### HYDROSTATIC COMPRESSION PHASE

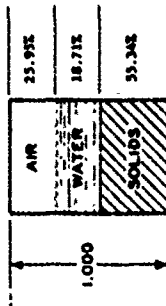


HYDROSTATIC PRESSURE,  $p$ , PSI

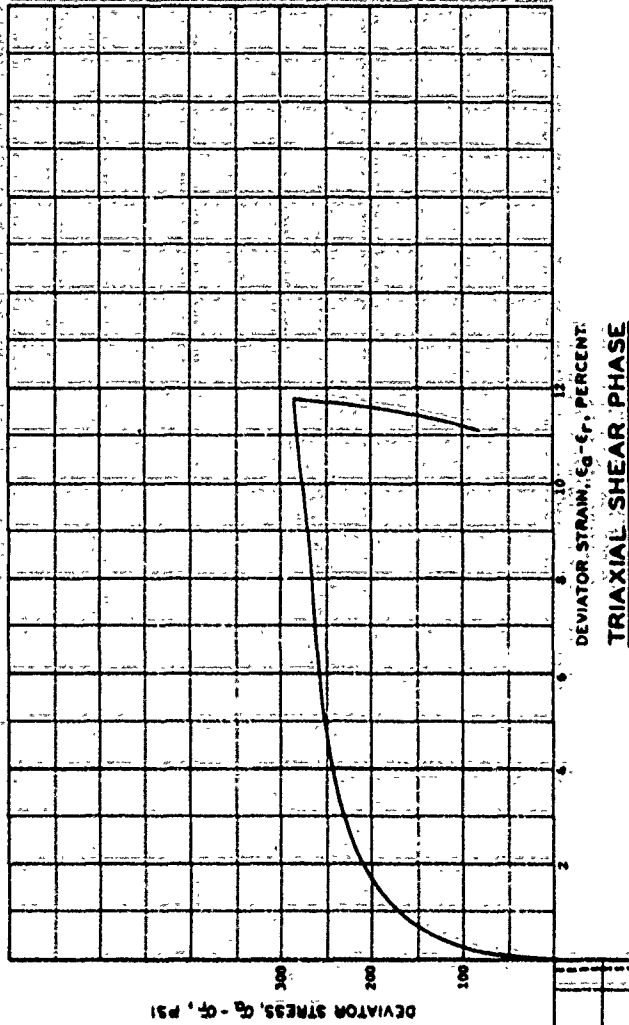
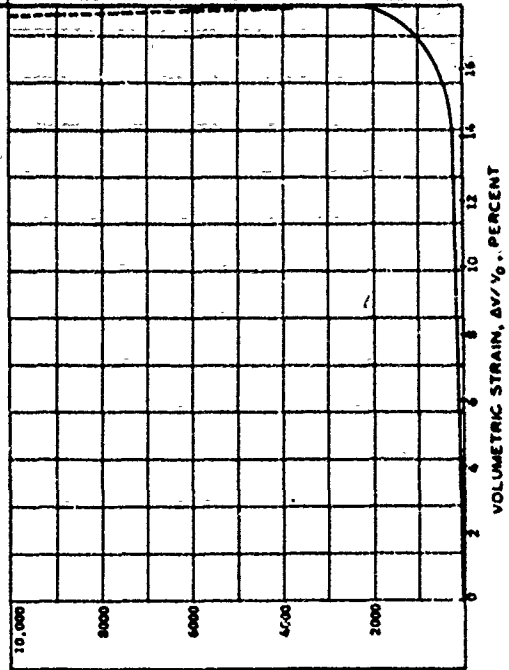
VOLUMETRIC STRAIN,  $\Delta v/v_0$ , PERCENT

PROJECT: Ga Tech B-402	
Contract No. DAC39-67-C-00311	
AREA	
BORING NO.	SAMPLE NO. 336
DEPTH	DATE
EL	PL 17
LL 36	PL 19
DESCRIPTION: Washing Mill Clay	

WATER CONTENT	W	12.32	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_r$	41.90	%
DRY DENSITY	$\gamma_d$	93.25	PCF
WET DENSITY	$\gamma$	104.92	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE

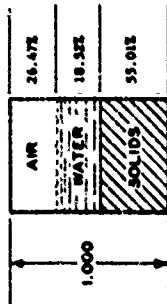


PROJECT: G4 Test 8-602:		Contract No. DMC39-67-C-0031	
AREA:	BORING NO.:	SAMPLE NO. 2M	DATE:
	DEPTH:		
LL 36	PL 17	PI 19	
DESCRIPTION: Weiche Mill Clay			

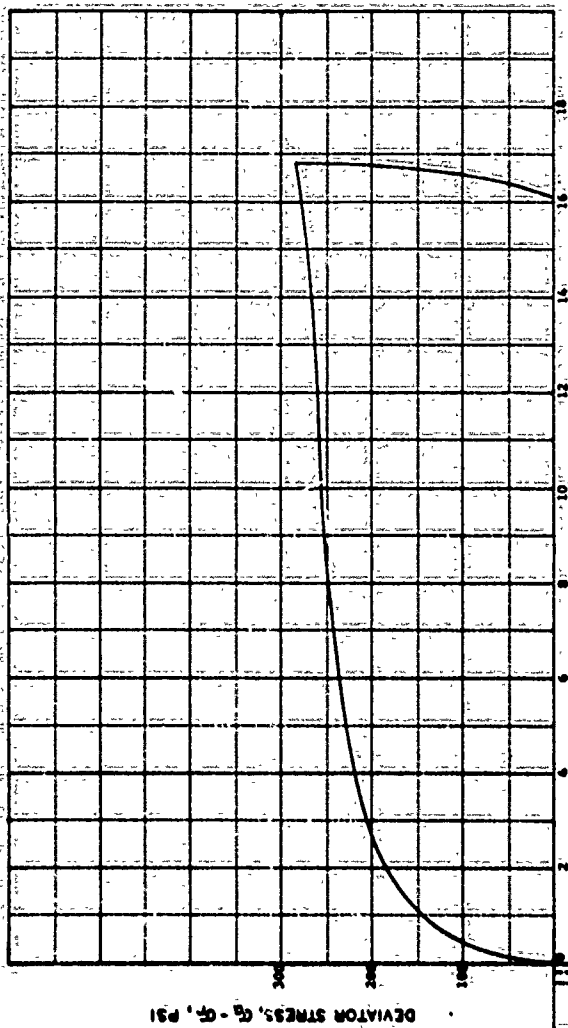
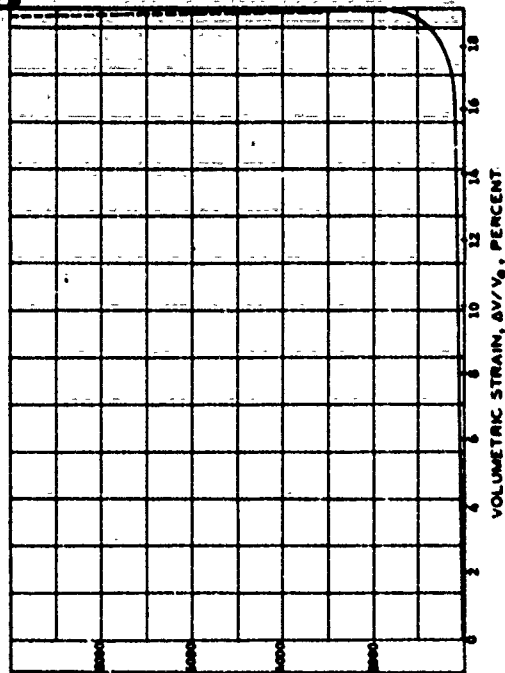
HYDROSTATIC PRESSURE, P, PSI



WATER CONTENT	W	12.47	%
VOID RATIO	$e_0$	0.82	
SATURATION	$S_0$	41.17	%
DRY DENSITY	$\gamma_d$	92.60	PCF
WET DENSITY	$\gamma$	104.24	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.90	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



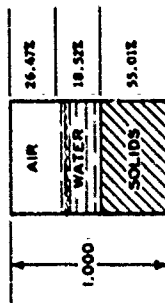
### HYDROSTATIC COMPRESSION PHASE



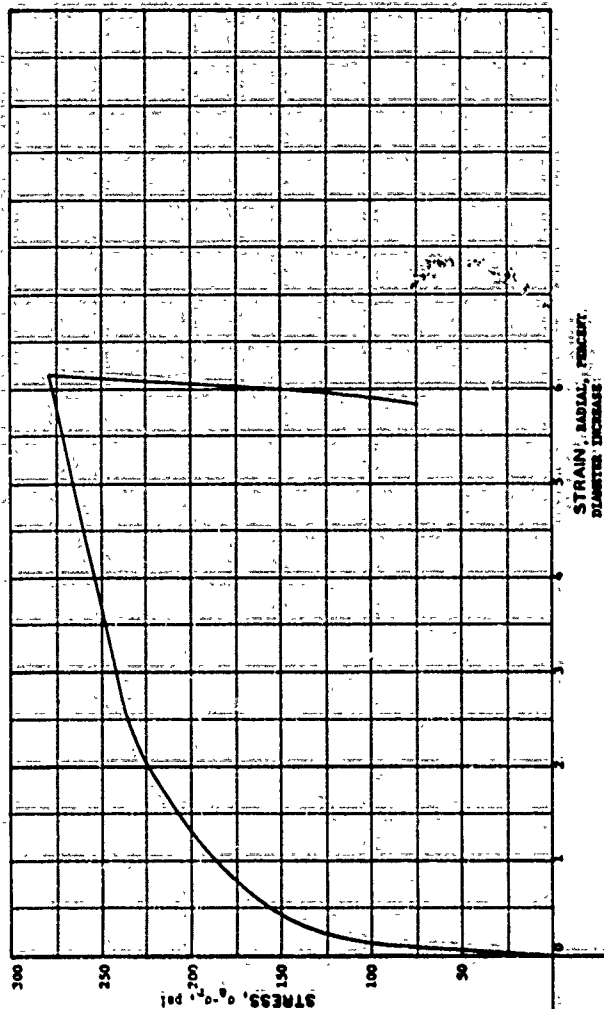
### TRIAxIAL SHEAR PHASE

PROJECT		Ga Tech 3-602	
		Contract No. DMC39-67-C-00311	
AREA	BORING NO.	SAMPLE NO. 333	
	DEPTH	DATE	
LL	36	PL	17
		PI	19
DESCRIPTION: Weichling Hill Clay			

WATER CONTENT	W	12.47	%
VOID RATIO	$e_0$	0.82	
SATURATION	$S_0$	41.17	%
DRY DENSITY	$\gamma_d$	92.48	PCF
WET DENSITY	$\gamma$	104.24	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



HYDROSTATIC PRESSURE,  $p$ , PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

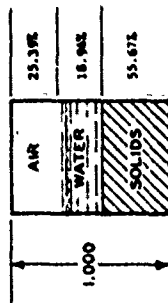
PROJECT: Co. Tech. B-602;	
Contract No. DMC39-47-C-0031	
AREA	
BORING NO.	SAMPLE NO. 335
DEPTH	DATE
EL.	PL 17
LL 36	PI 19
DESCRIPTION: Matching Mill Clay	

Group B

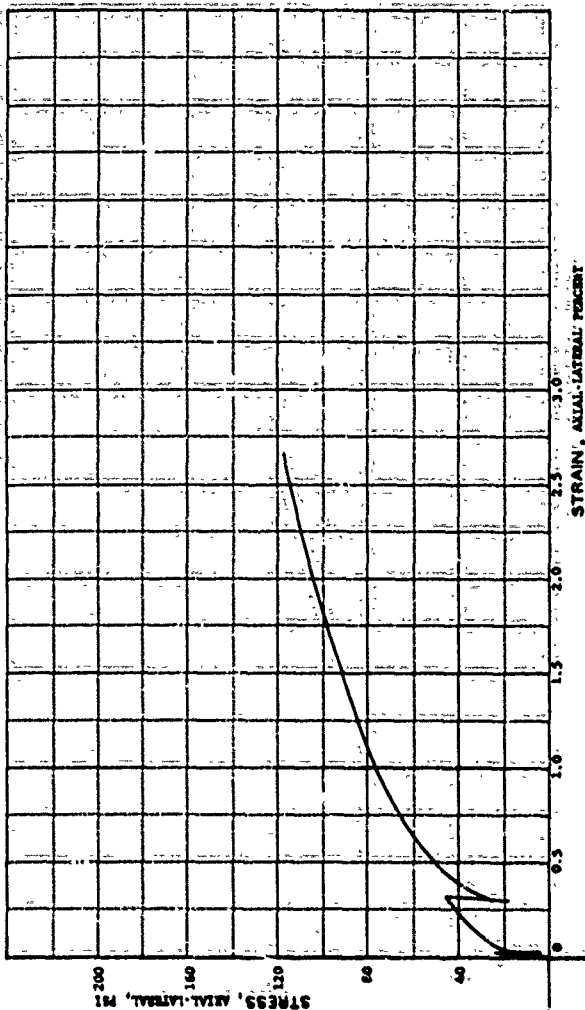
Triaxial Tests, Cyclic

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WATER CONTENT	W	12.60	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	42.73	%
DRY DENSITY	$\gamma_d$	99.79	PCF
WET DENSITY	$\gamma$	105.61	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.60	CM



### HYDROSTATIC COMPRESSION PHASE



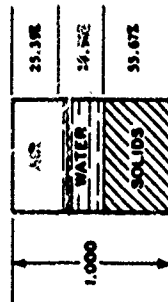
HYDROSTATIC PRESSURE, P, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

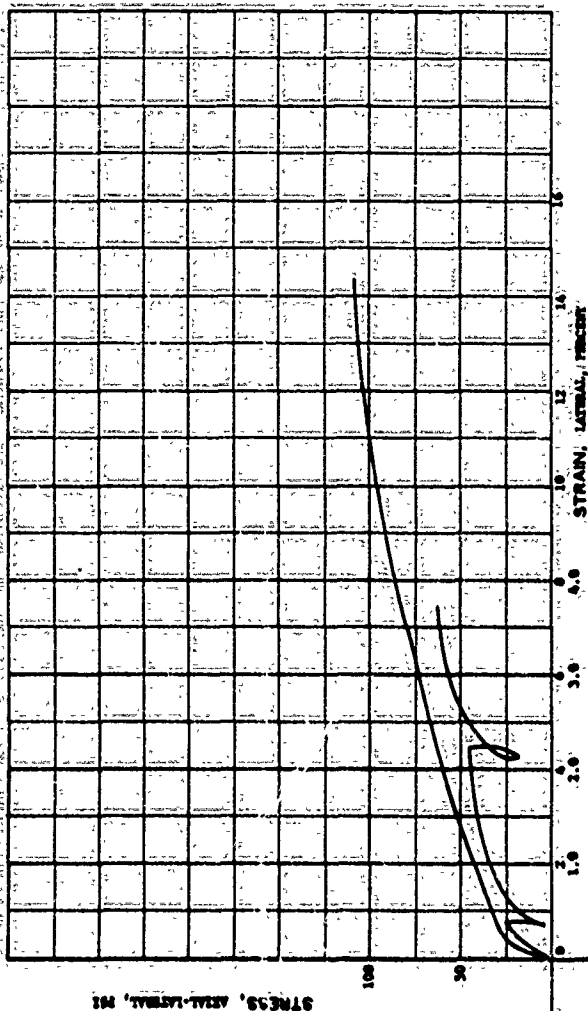
PROJECT: Georgia Institute of Technology 9-602			
Contract No. DMC39-67-C-3031			
AREA		SAMPLE NO. 319	
BORING NO.	DEPTH	DATE	PL
LL	36	17	19
DESCRIPTION: Matching Hill Clay			
Tetralat, Cycle @ 35% and 75%			
Lateral Pressure, 100 psi			

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WATER CONTENT	W	12.40	%
VOID RATIO	$e_0$	0.46	
SATURATION	$S_u$	42.73	%
DRY DENSITY	$\gamma$	99.79	PCF
WET DENSITY	$\gamma$	107.61	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.60	CM



# HYDROSTATIC COMPRESSION PHASE



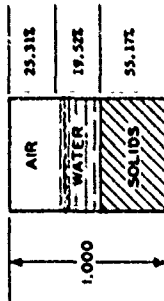
216

HYDROSTATIC PRESSURE, P, PSI

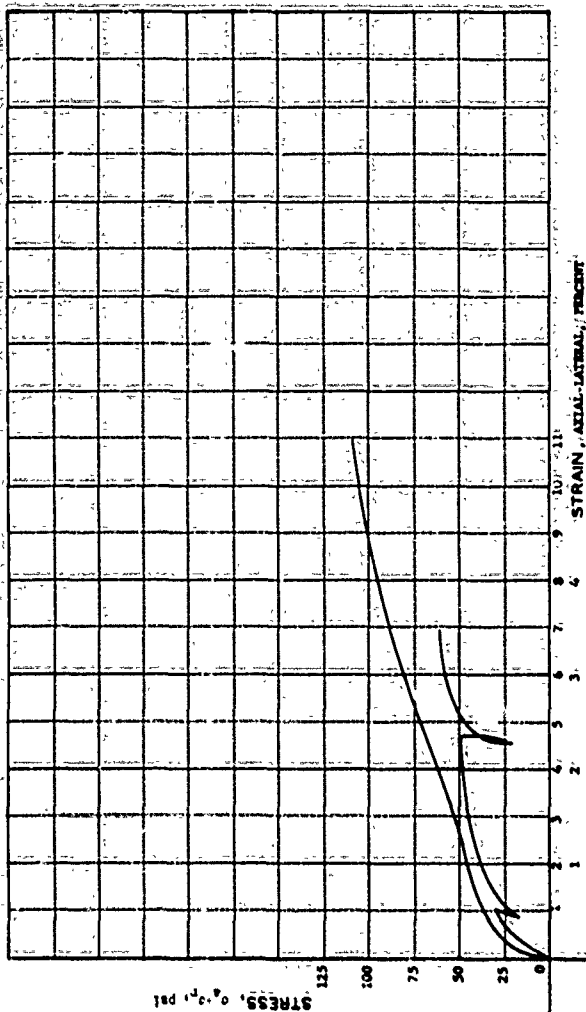
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology 8-608			
Contract No. DCA39-67-C-0051			
AREA		SAMPLE NO. 319	
BORING NO.	DATE	DATE	
DEPTH	PL	PL	PI
EL	36	17	13
DESCRIPTION: Washing Mill Clay			
Triaxial, Cycle 0.35% and 15%			
Lateral Pressure, 100 psi			

WATER CONTENT	W	13.10 %
VOID RATIO	$e_0$	0.81
SATURATION	$S_0$	43.54 %
DRY DENSITY	$\gamma_d$	92.95 PCF
WET DENSITY	$\gamma$	103.14 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



# HYDROSTATIC COMPRESSION PHASE

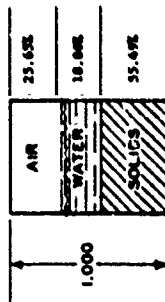


HYDROSTATIC PRESSURE,  $p$ , PSI

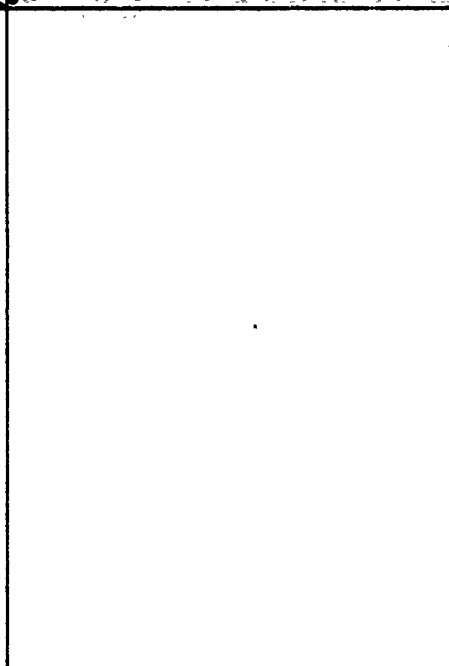
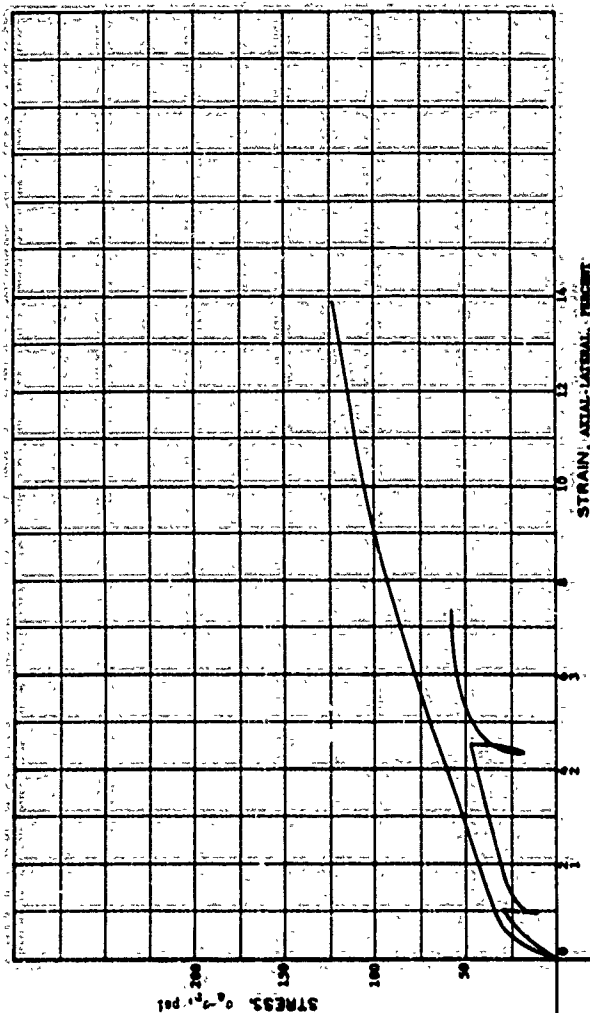
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT: Georgia Institute of Technology E-602			
Contract No. DMC39-47-C-0051			
AREA:		SAMPLE NO. 347	
BORING NO.		DATE	
DEPTH		PL 17/	
EL		PI 19	
DESCRIPTION: Matching Mill Clay			
Triaxial-Cycle Shear 0.352 and 752			

WATER CONTENT	W	12.59	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	42.34	%
DRY DENSITY	$\gamma_d$	90.49	PCF
WET DENSITY	$\gamma$	103.26	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE

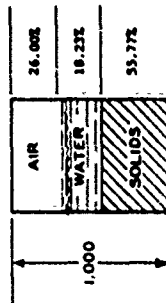


VOLUMETRIC STRAIN,  $AV/V_0$ , PERCENT

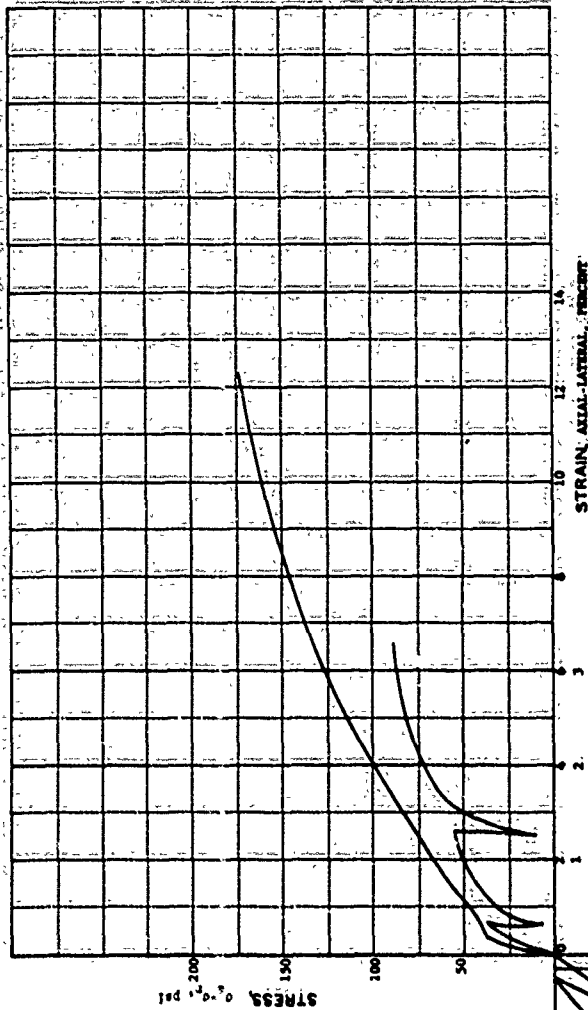
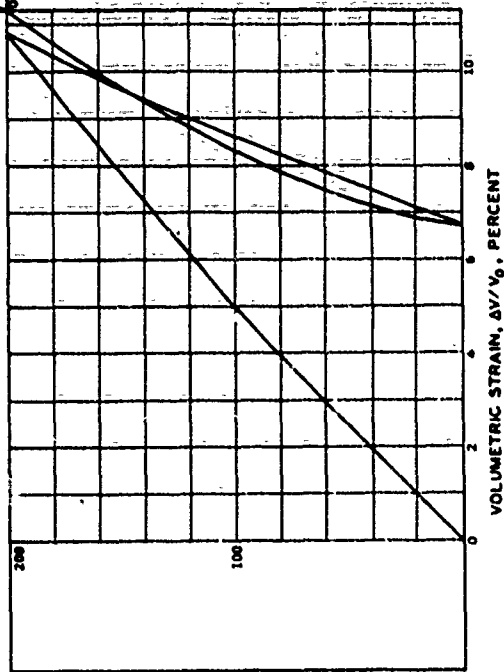
PROJECT: Georgia Institute of Technology 8-602			
Contract No. MCA39-47-C-0051			
AREA:			
BORING NO.	SAMPLE NO. 330		
DEPTH:	DATE:		
EL.	PL. 36	PL. 17	PL. 19
DESCRIPTION: Matching B111/C147			
Triaxial Cycle shear @ 35% and 75%			

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	12.11 %
VOID RATIO	$e_0$	0.79
SATURATION	$S_0$	41.23 %
DRY DENSITY	$\gamma_d$	93.96 PCF
WET DENSITY	$\gamma$	105.34 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.43 CM



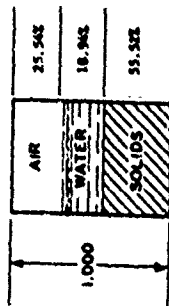
### HYDROSTATIC COMPRESSION PHASE



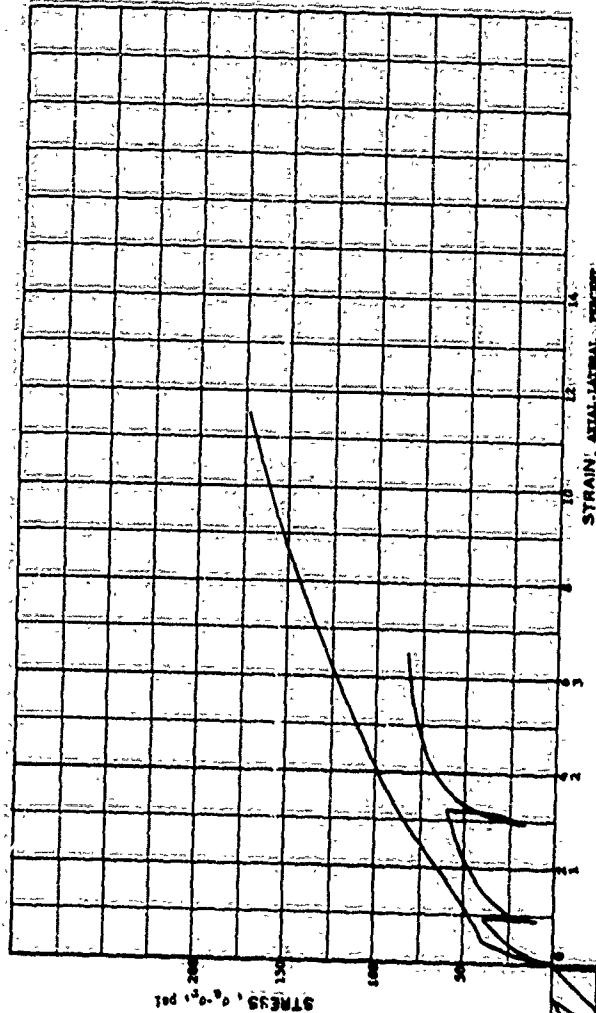
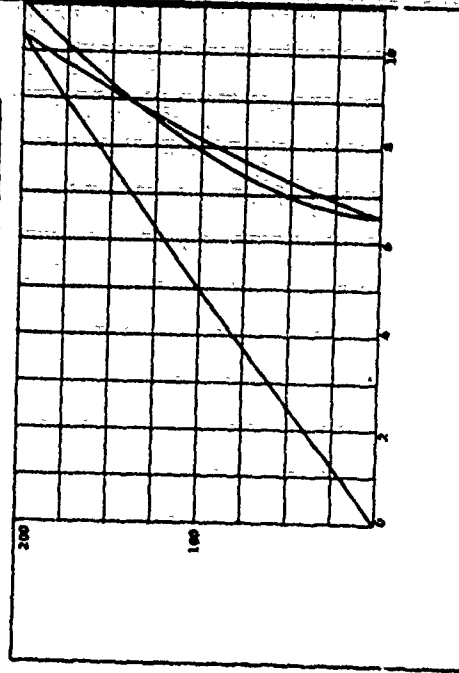
PROJECT: Georgia Institute of Technology B-602	
Contract No. DCA33-47-C-0031	
AREA:	
BORING NO.	SAMPLE NO. 260
DEPTH, EL.	DATE:
LL 36	PL 17
PL 19	
DESCRIPTION: Matching Hill Clay	
Isolated, Cycle Compression.	
Cycle Shear (0.3%)	



WATER CONTENT	W	12.64 %
VOID RATIO	$e_0$	0.80
SATURATION	$S_0$	42.56 %
DRY DENSITY	$\gamma_d$	95.33 PCF
WET DENSITY	$\gamma$	109.35 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.63 CM

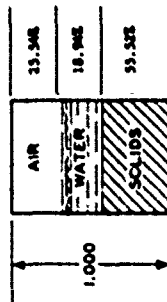


# HYDROSTATIC COMPRESSION PHASE



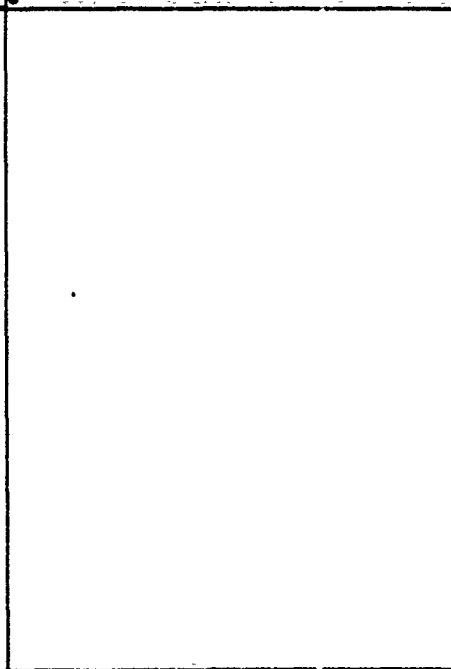
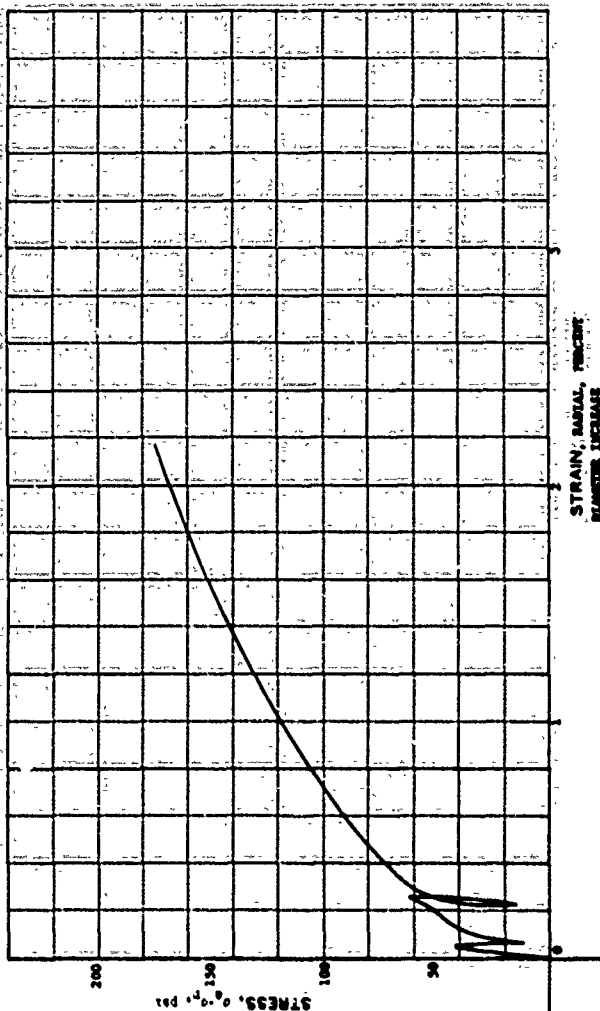
PROJECT: Georgia Institute of Technology E-502			
Contract No. DMC39-47-C-0051			
AREA		SAMPLE NO. 283	
BORING NO.	DEPTH	DATE	
LL 34	PL 17	PI 19	
DESCRIPTION: MATCHING HILL CLAY			
Triaxial Cycle Compression, Cycle Shear @ 3X			

WATER CONTENT	W	12.64	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	42.38	%
DRY DENSITY	$\gamma_d$	93.33	PCF
WET DENSITY	$\gamma$	105.35	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE

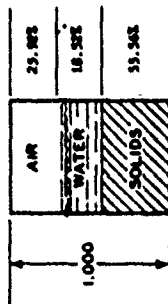
HYDROSTATIC PRESSURE,  $p$ , PSF



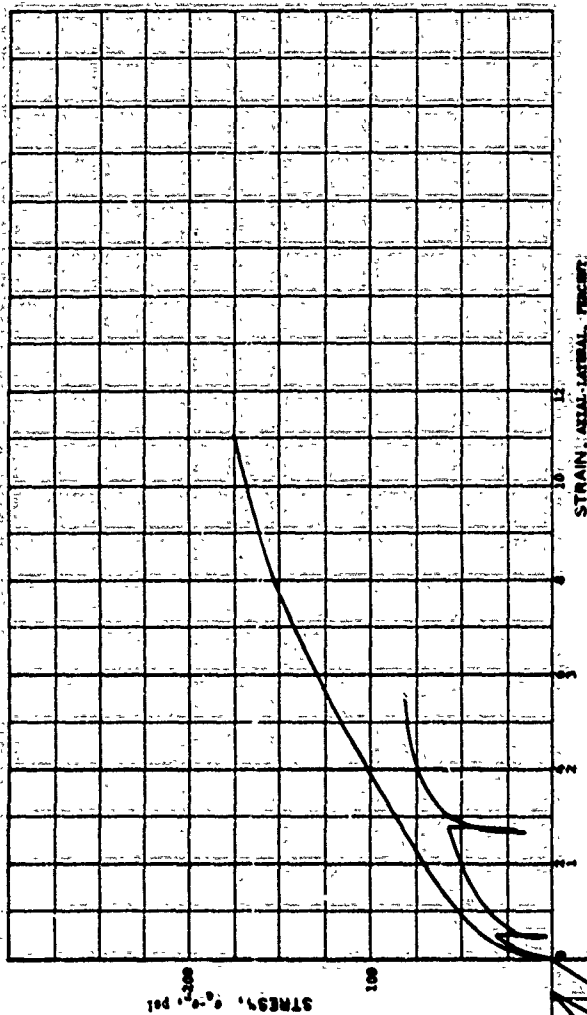
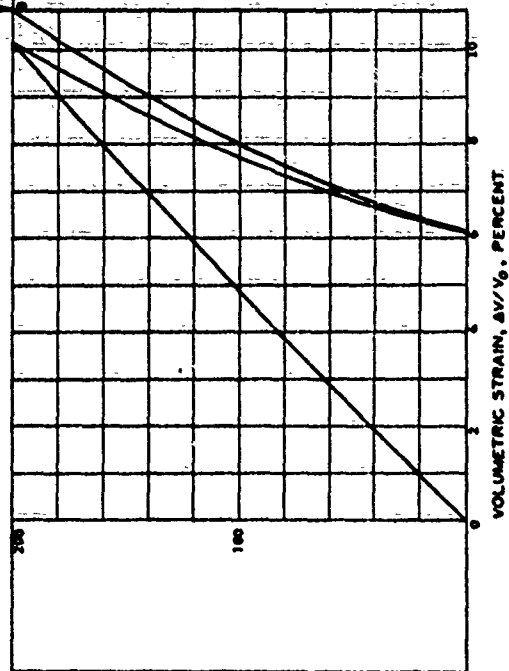
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT: Georgia Institute of Technology B-602			
Contact No. RD319-67-C-0031			
AREA		SAMPLE NO. 263	
BORING NO.	DATE	PL	PI
DEPTH, FEET		17	19
DESCRIPTION: Machine #111 Clay			
Triaxial-Cycle Shear # 333			

WATER CONTENT	W	12.34 %
VOID RATIO	$e_0$	0.89
SATURATION	$S_0$	41.66 %
DRY DENSITY	$\gamma_0$	99.61 PCF
WET DENSITY	$\gamma$	105.17 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.63 CM



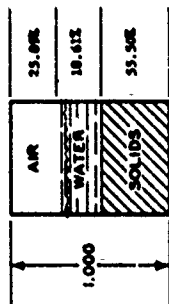
### HYDROSTATIC COMPRESSION PHASE



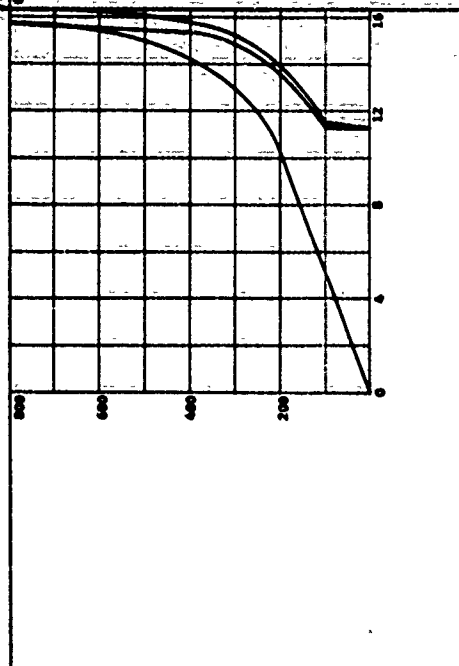
PROJECT		Georgia Institute of Technology 8-602	
Contract No.		MCA39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	346	
DEPTH	DATE		
EL	PL	17	PI
LL	36	19	
DESCRIPTION: Matching Bill Clay			
Triaxial-Cycle Compression, Cycle Shear @ 35% and 75%			

HYDROSTATIC PRESSURE, P, PSI

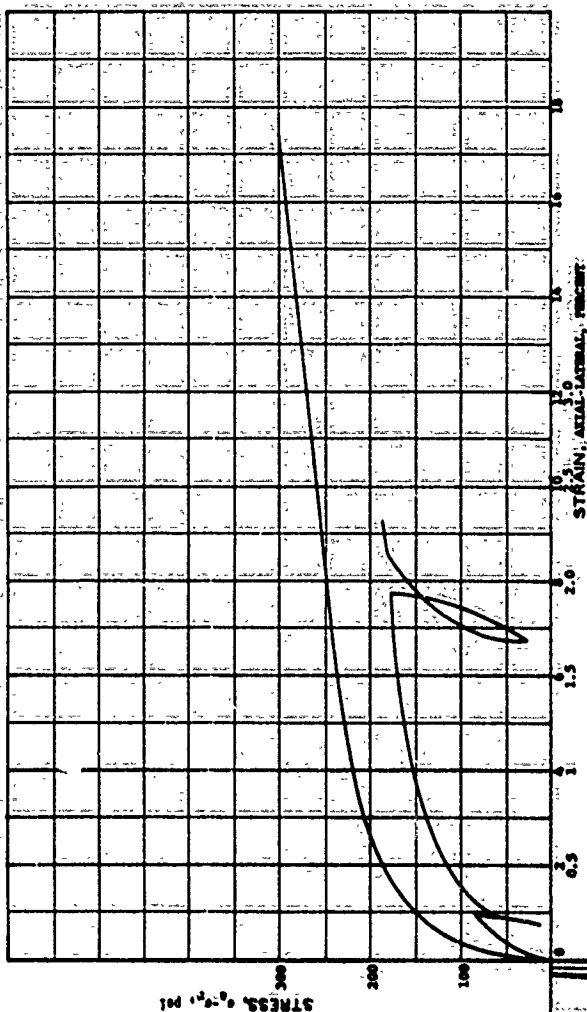
WATER CONTENT	W	12.42	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.82	%
DRY DENSITY	$\gamma_d$	99.31	PCF
WET DENSITY	$\gamma$	105.12	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.43	CM



### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

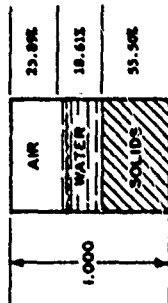


STRAIN, AXIAL-LATERAL, PERCENT

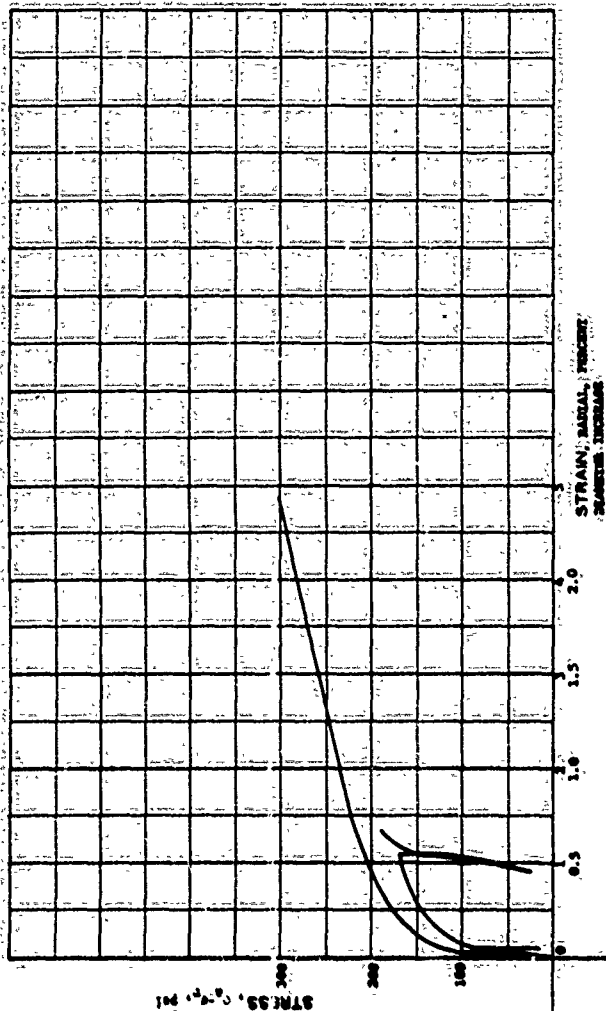
PROJECT: Georgia Institute of Technology E-602			
Contract No. DAC39-67-G-0031			
AREA:		SAMPLE NO. 272	
BORING NO.		DATE	
DEPTH:		PL 17	
EL.		PT. 19	
DESCRIPTION: Machine Hill Clay			
Triaxial-Cycle Compression Cycle Shear @ 375' and 775'			

HYDROSTATIC PRESSURE, P, PSI

WATER CONTENT	W	12.42	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.82	%
DRY DENSITY	$\gamma_d$	80.51	PCF
WET DENSITY	$\gamma$	109.12	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



# HYDROSTATIC COMPRESSION PHASE

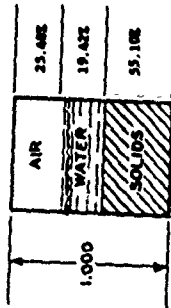


HYDROSTATIC PRESSURE, P, PSI

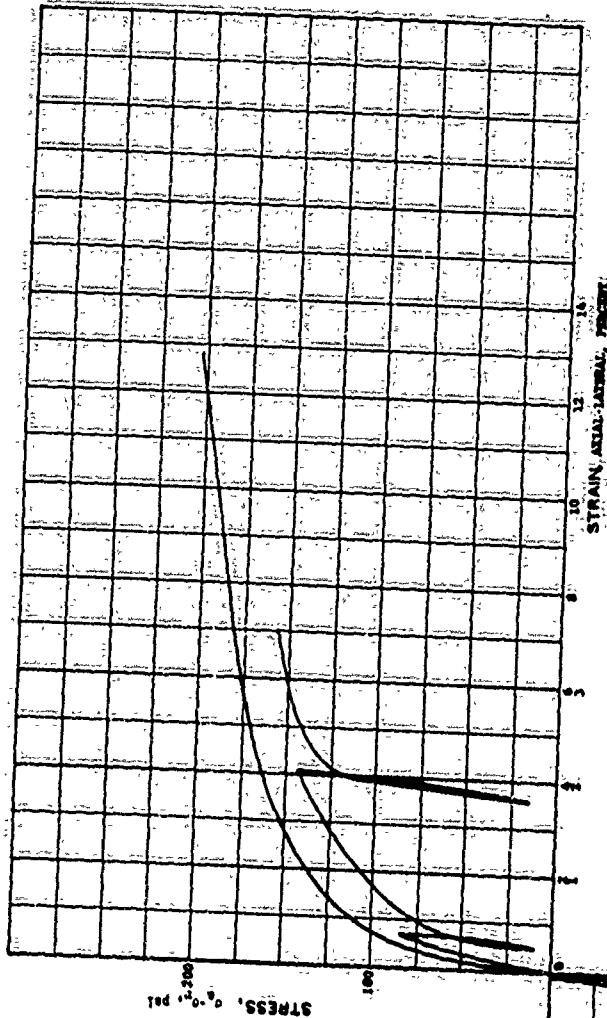
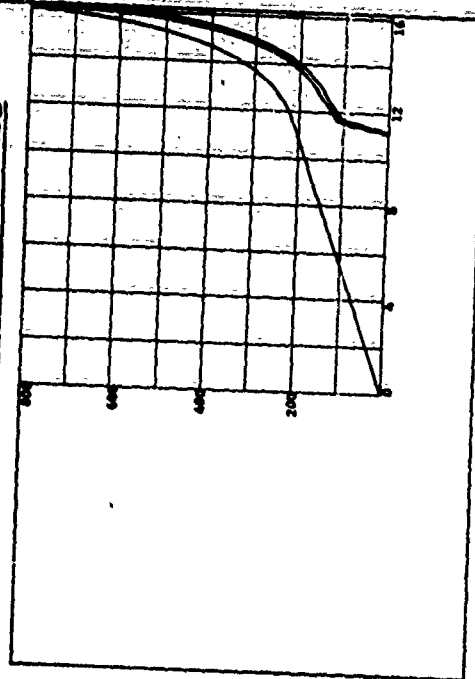
PROJECT: Georgia Institute of Technology B-602			
Contract No. DM019-67-C-0051			
AREA:			
BORING NO.	SAMPLE NO. 272		
DEPTH	DATE		
EL	PL	17	PL 19
DESCRIPTION: Machine Bill Clay			
Tensile-Cycle Stress @ 33% and 17%			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	12.06 %
VOID RATIO	$e_0$	0.81
SATURATION	$S_0$	43.25 %
DRY DENSITY	$\gamma$	98.85 PCF
WET DENSITY	$\gamma_s$	106.95 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.63 CM

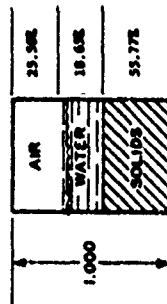


### HYDROSTATIC COMPRESSION PHASE

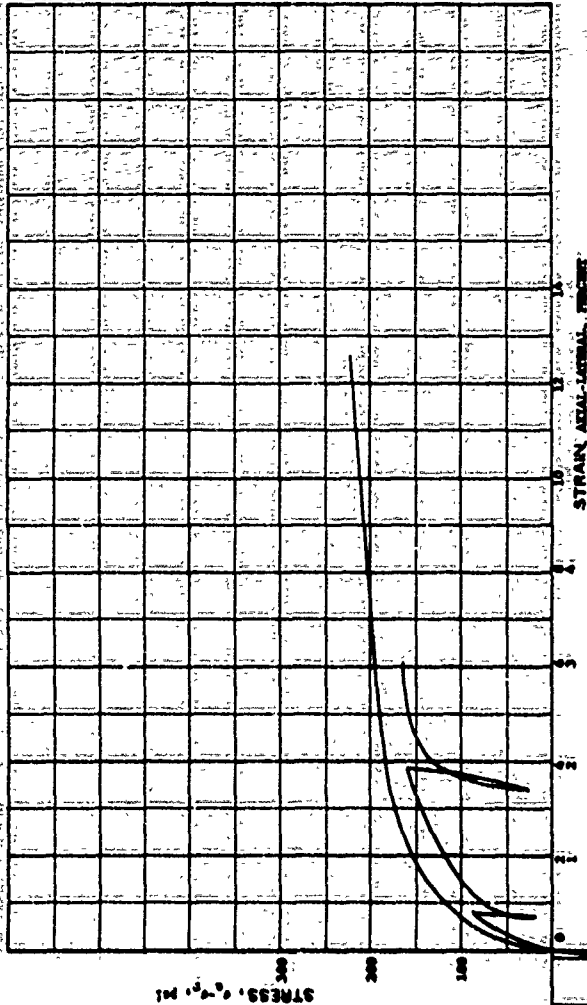
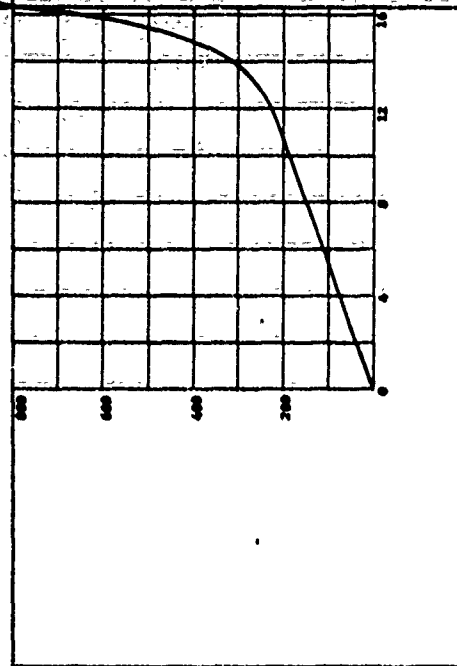


PROJECT		Georgia Institute of Technology 3-603	
CONTRACT NO.		DCAJ9-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	27A	
DEPTH	DATE		
EL.	PL	17	PI 19
DESCRIPTION			
BESSEMER HILL CLAY			
Triaxial-Cyclic Compression; Cyclic Shear @ 3PI and 7PI			

WATER CONTENT	W	12.39	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	42.16	%
DRY DENSITY	$\gamma_d$	99.96	PCF
WET DENSITY	$\gamma$	109.99	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM

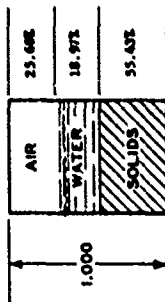


# HYDROSTATIC COMPRESSION PHASE

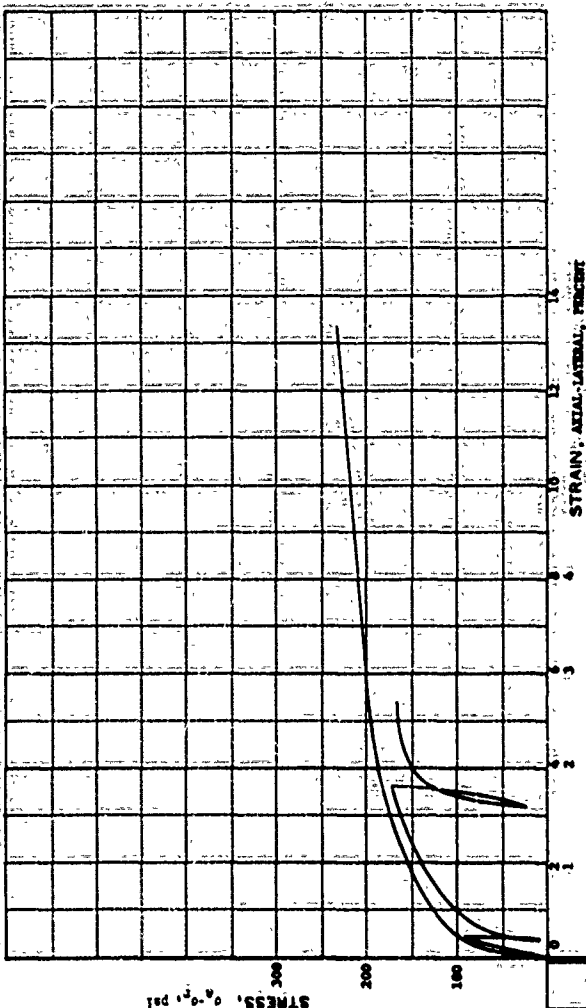
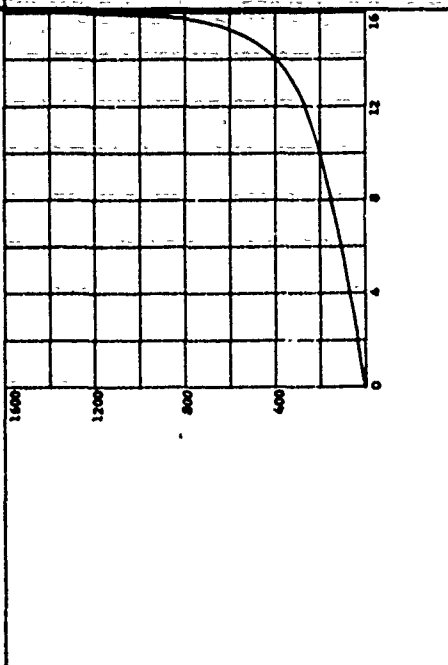


PROJECT: Georgia Institute of Technology S-602			
Contract No. MCA39-67-C-0051			
AREA		SAMPLE NO. 273	
BORING NO.	DEPTH	DATE	
CL	PL	PI	19
DESCRIPTION: Machine Bill C147			
Triaxial-Cycle Shear @ 15% and 17%			

WATER CONTENT	W	12.66	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	42.56	%
DRY DENSITY	$\gamma_d$	93.38	PCF
WET DENSITY	$\gamma$	105.22	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.60	CM



### HYDROSTATIC COMPRESSION PHASE



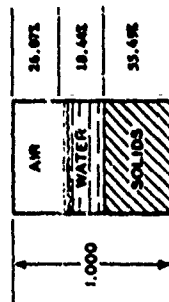
PROJECT		Georgia Institute of Technology E-602	
		Contract No. DCA39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO. 217		
DEPTH	DATE		
EL.	PL	PL	PL
LL	36	17	19
DESCRIPTION: Matching Hill Clay			
Triaxial-Cycle Shear (Q 375 and 75)			

HYDROSTATIC PRESSURE, p, PSI

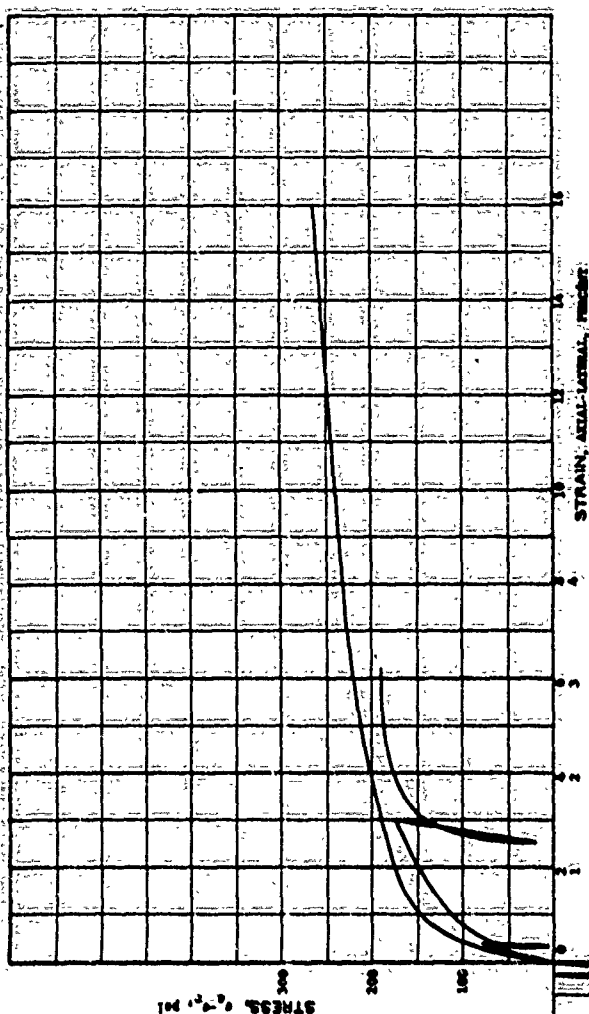
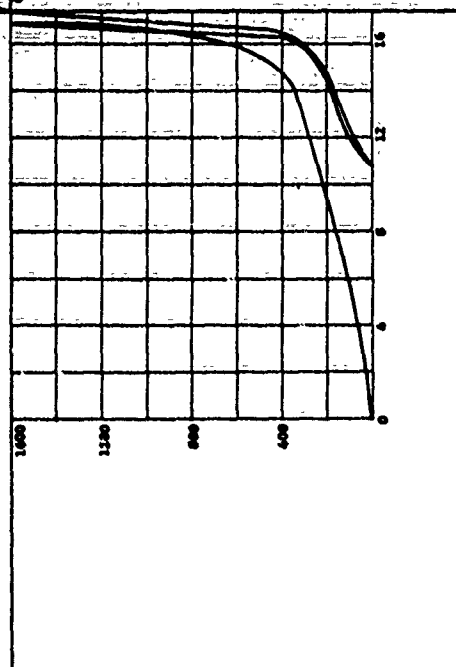
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



WATER CONTENT	W	12.31 %
VOID RATIO	$e_0$	0.89
SATURATION	$S_0$	41.44 %
DRY DENSITY	$\gamma_d$	98.46 PCF
WET DENSITY	$\gamma$	104.99 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	2.49 CM
SPECIMEN HEIGHT	$H_0$	7.61 CM



### HYDROSTATIC COMPRESSION PHASE

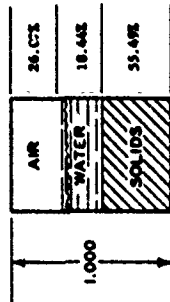


PROJECT		Georgia Institute of Technology 8-602	
CONTRACT NO.		MC319-67-C-0051	
AREA			
BORING NO.	SAMPLE NO.	752	
DEPTH	DATE		
EL	PL	17	P1 19
DESCRIPTION: Working Hill Clay			
Triaxial-Cycle Compression, Cycle Sheet # 378 and 778			

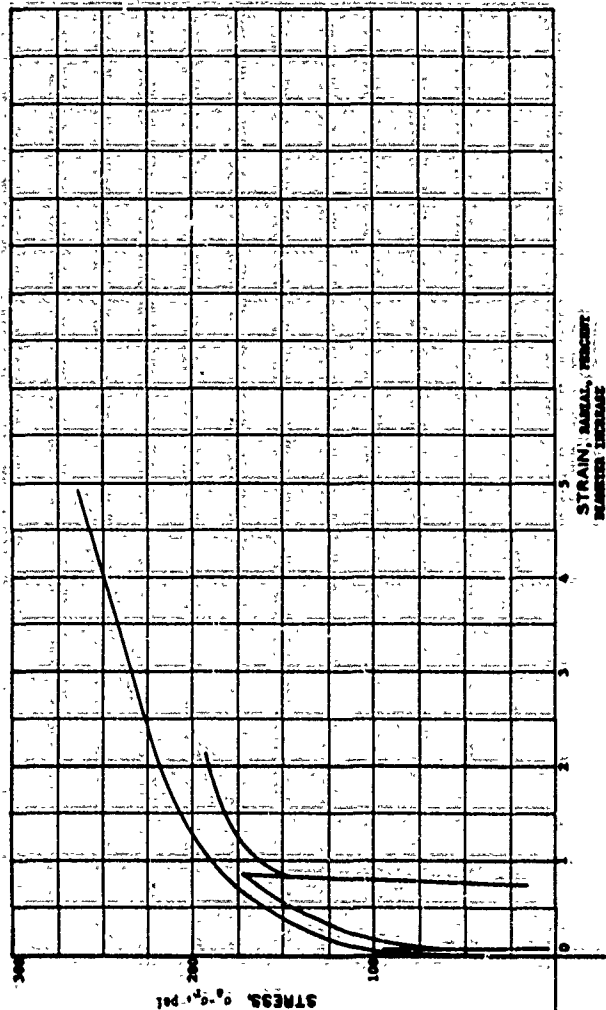
HYDROSTATIC PRESSURE, P, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	12.31	%
VOID RATIO	$e_0$	0.88	
SATURATION	$S_u$	41.44	%
DRY DENSITY	$\gamma_d$	90.48	PCF
WET DENSITY	$\gamma$	106.99	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.61	CM



# HYDROSTATIC COMPRESSION PHASE

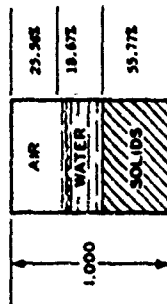


HYDROSTATIC PRESSURE, P, PSI

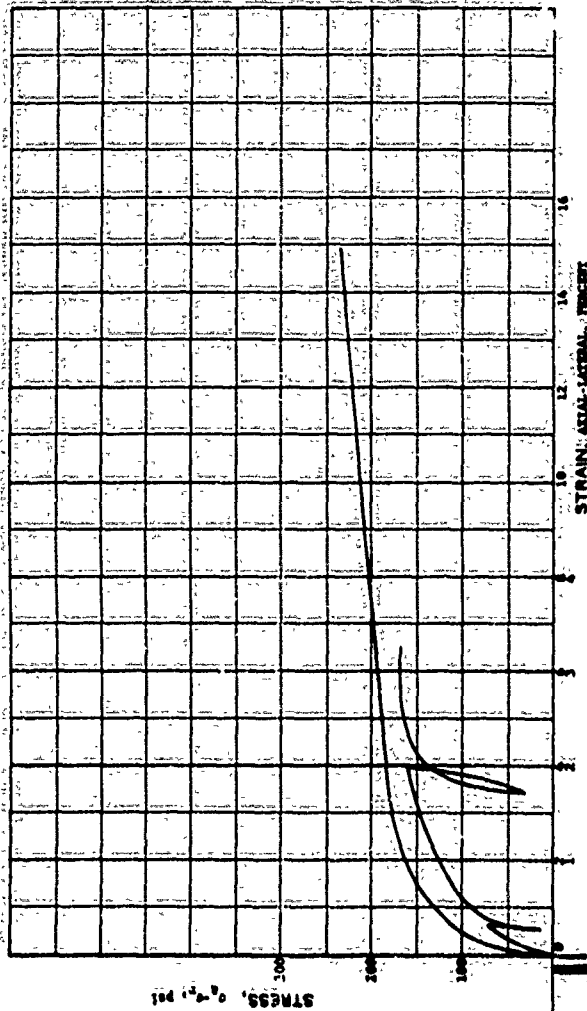
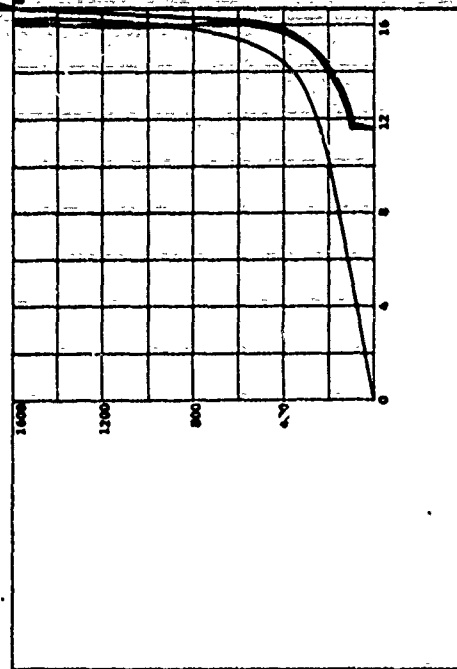
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT: Georgia Institute of Technology B-602			
Contract No. DMC39-67-C-0091			
AREA:		SAMPLE NO. 242	
BORING NO.	DEPTH	DATE	
LL	PL	PI	
DESCRIPTION: Machine B11 C19			
Triaxial-Cycle Shear @ 333 and 733			

WATER CONTENT	W	12.40	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	43.21	%
DRY DENSITY	$\gamma_d$	90.56	PCF
WET DENSITY	$\gamma$	105.61	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM

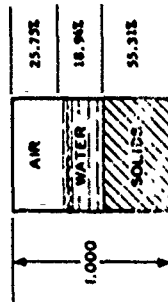


### HYDROSTATIC COMPRESSION PHASE

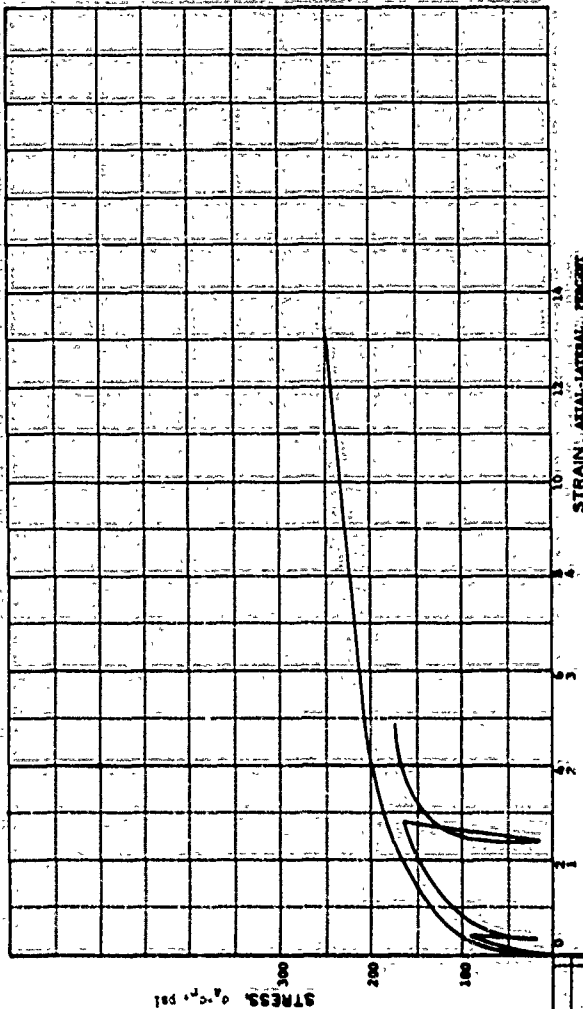
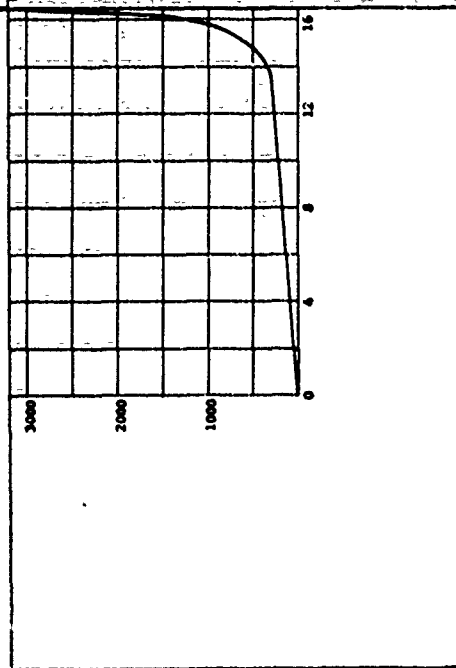


PROJECT Georgia Institute of Technology B-602			
Contract No. DCA39-67-G-0031			
AREA		SAMPLE NO. 276	
BORING NO.	DATE	PL	P1
DEPTH, EL.			
LL	36	PL	17
DESCRIPTION MICHIGAN HILL CLAY			
Triaxial-Cycle Compression, Cycle shear @ 30% and 70%			

WATER CONTENT	W	12.68 %
VOID RATIO	$e_0$	0.81
SATURATION	$S_0$	42.27 %
DRY DENSITY	$\gamma_d$	93.19 PCF
WET DENSITY	$\gamma$	105.01 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.61 CM



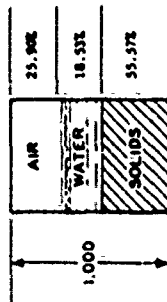
### HYDROSTATIC COMPRESSION PHASE



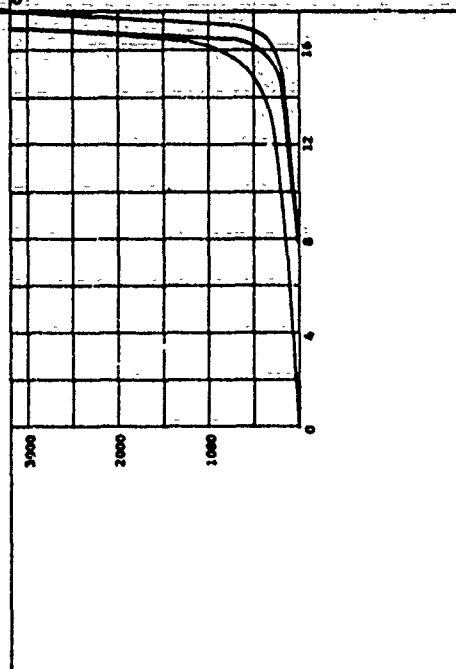
PROJECT: Georgia Institute of Technology B-602			
Contract No. - BACA38-47-G-0051			
AREA		SAMPLE NO. 202	
BORING NO.	DEPTH	DATE	
EL	PL	PL	PL
LL	36	17	19
DESCRIPTION: Machine Mill Clay			
Triaxial-Cycle Sheet @ 33% and 75%			

HYDROSTATIC PRESSURE, P, PSI

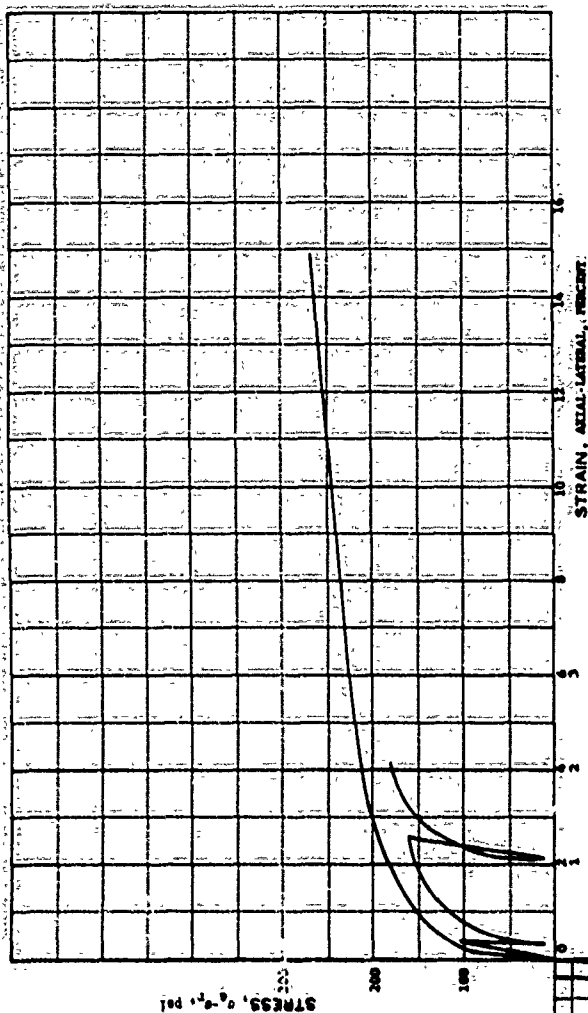
WATER CONTENT	W	12.35	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_r$	41.70	%
DRY DENSITY	$\gamma_d$	99.62	PCF
WET DENSITY	$\gamma$	105.18	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.61	CM



### HYDROSTATIC COMPRESSION PHASE



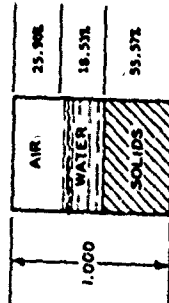
VOLUMETRIC STRAIN;  $\Delta V/V_0$ , PERCENT



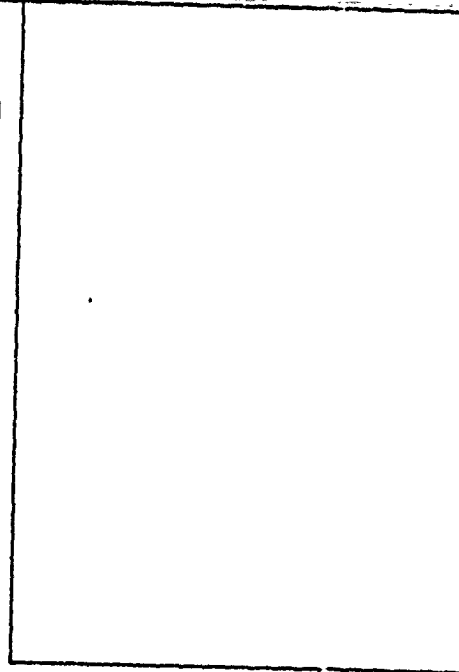
PROJECT Georgia Institute of Technology E-602	
Contract No. DAC39-67-C-0051	
AREA	
BORING NO.	SAMPLE NO. 205
DEPTH	DATE
EL.	
LL 36	PL 17
	PI 19
DESCRIPTION: Testing ELLI CLAY	
Triaxial-Cycle Compression; Cycle Shear @ 35% and 75%	

HYDROSTATIC PRESSURE,  $p$ , PSI

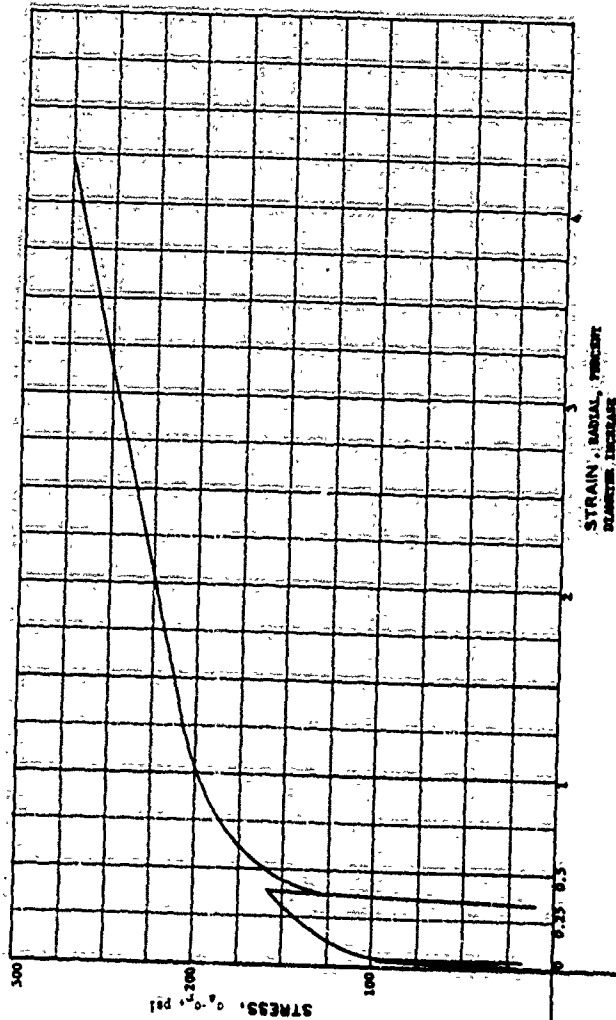
WATER CONTENT	W	12.35	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.70	%
DRY DENSITY	$\gamma_d$	93.62	PCF
WET DENSITY	$\gamma$	105.18	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.61	CM



### HYDROSTATIC COMPRESSION PHASE

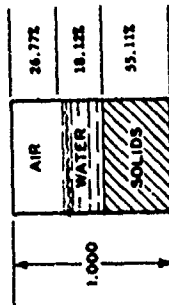


VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

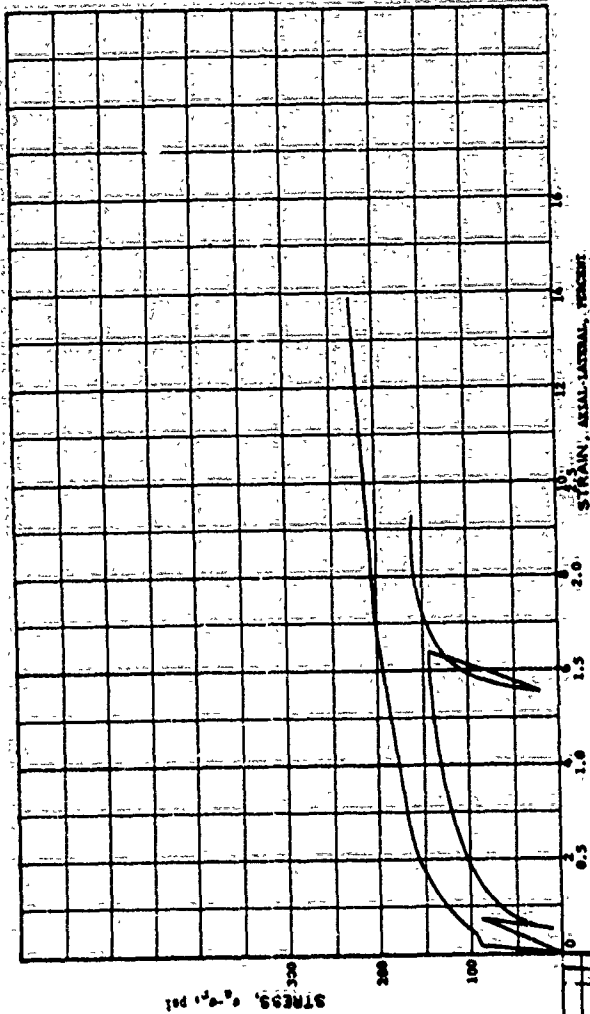
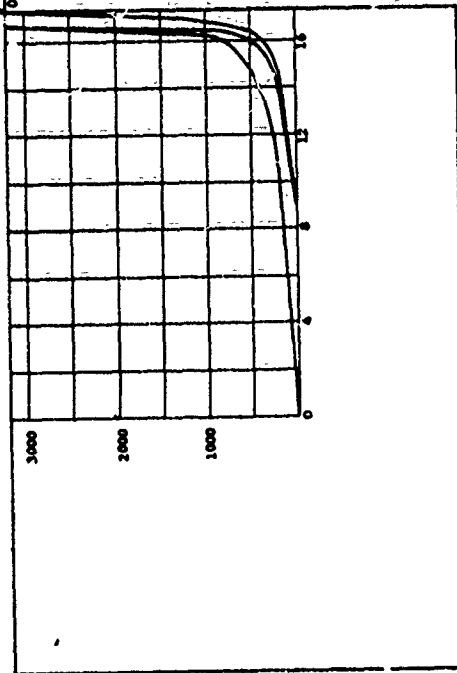


PROJECT: Georgia Institute of Technology 3-602			
CHARTER No. DMCJSE-87-5-0031			
AREA:			
BORING NO.	SAMPLE NO. 203		
DEPTH	DATE		
EL.	LL 36	PL 17	PI 19
DESCRIPTION: Natchez Hill Clay			
Triaxial-Cycle Shear @ 33% and 17%			

WATER CONTENT	W	12.18 %
VOID RATIO	$e_0$	0.81
SATURATION	$S_u$	40.36 %
DRY DENSITY	$\gamma_d$	92.85 PCF
WET DENSITY	$\gamma$	104.15 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.40 CM

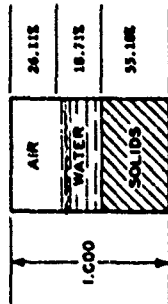


### HYDROSTATIC COMPRESSION PHASE

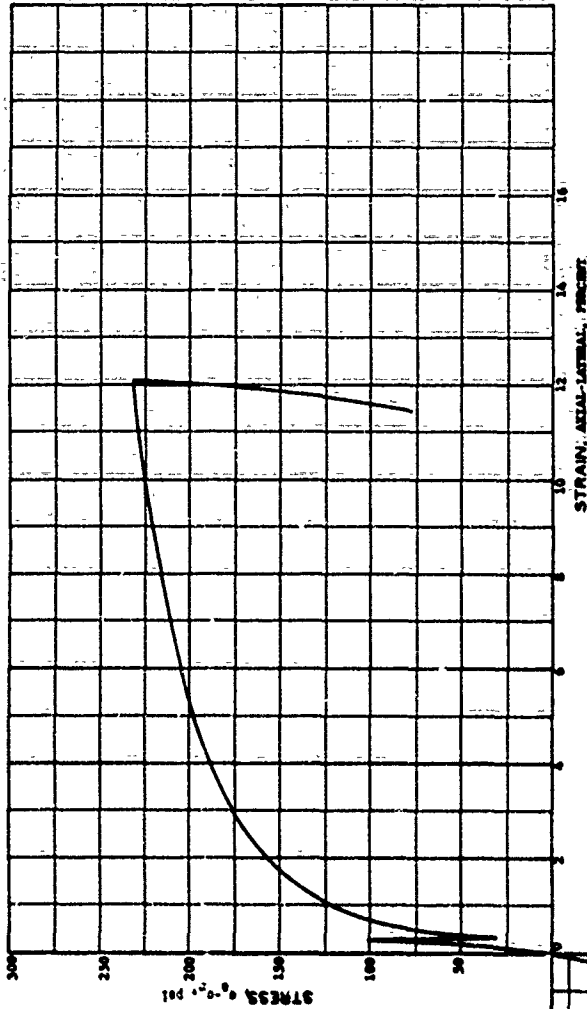
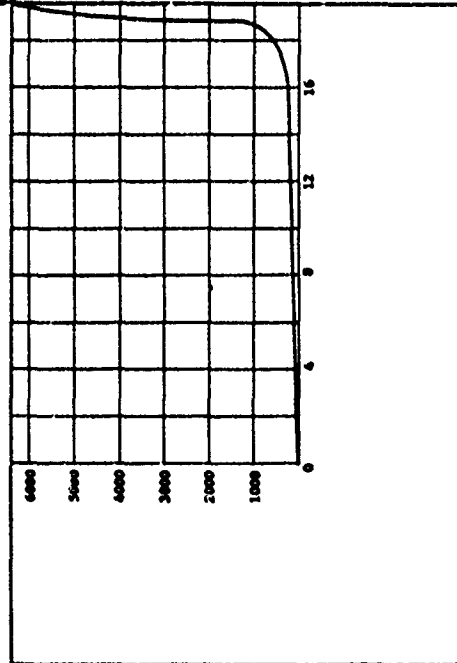


PROJECT: Georgia Institute of Technology B-602			
Contract No. DMC33-87-C-0051			
AREA:		SAMPLE NO. 200	
BORING NO.		DATE	
DEPTH:		DATE	
LL	36	PL	17
		PI	19
DESCRIPTION: Molding Mill Clay			
Triaxial-Cycle Compression, Cycle Shear @ 35% and 75%			

WATER CONTENT	W	12.56 %
VOID RATIO	$e_0$	0.81
SATURATION	$S_r$	61.75 %
DRY DENSITY	$\gamma_d$	98.97 PCF
WET DENSITY	$\gamma$	104.65 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



### HYDROSTATIC COMPRESSION PHASE

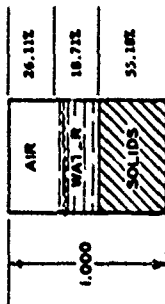


PROJECT: Georgia Institute of Technology B-602			
Contract No. DMS39-67-C-0031			
AREA			
BORING NO.	SAMPLE NO. 284		
DEPTH: EL	DATE		
LL 36	PL 17	PI 19	
DESCRIPTION: Wetting Hill Clay			
Isotaxial-Cyclic Shear G-372			

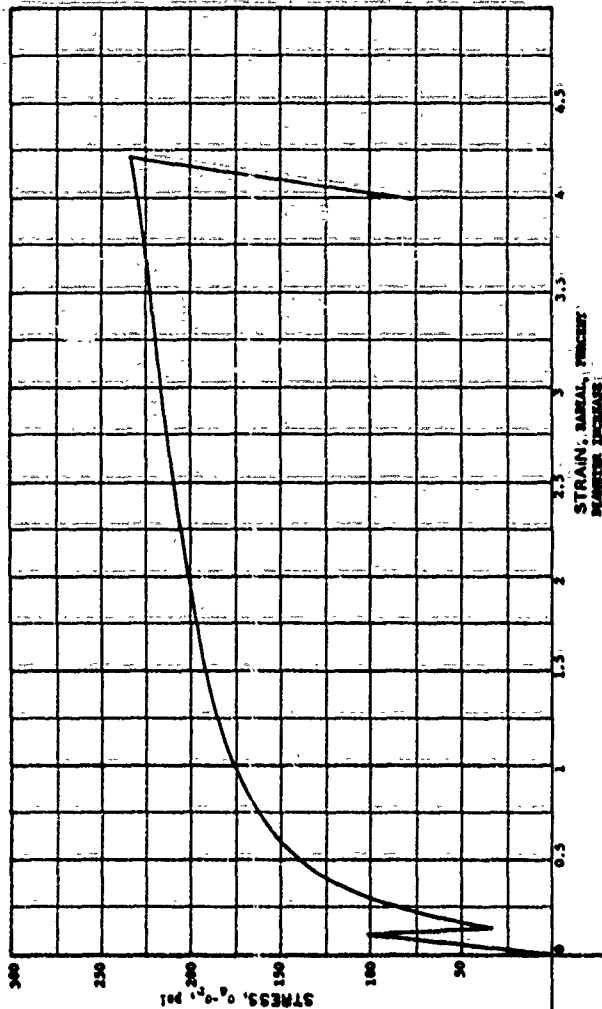
HYDROSTATIC PRESSURE, P, PSI



WATER CONTENT	W	12.56	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_0$	41.35	%
DRY DENSITY	$\gamma_d$	92.87	PCF
WET DENSITY	$\gamma$	104.65	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.36	CM
SPECIMEN HEIGHT	$H_0$	7.43	CM



# HYDROSTATIC COMPRESSION PHASE

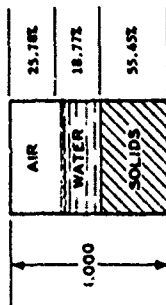


HYDROSTATIC PRESSURE, P, PSI

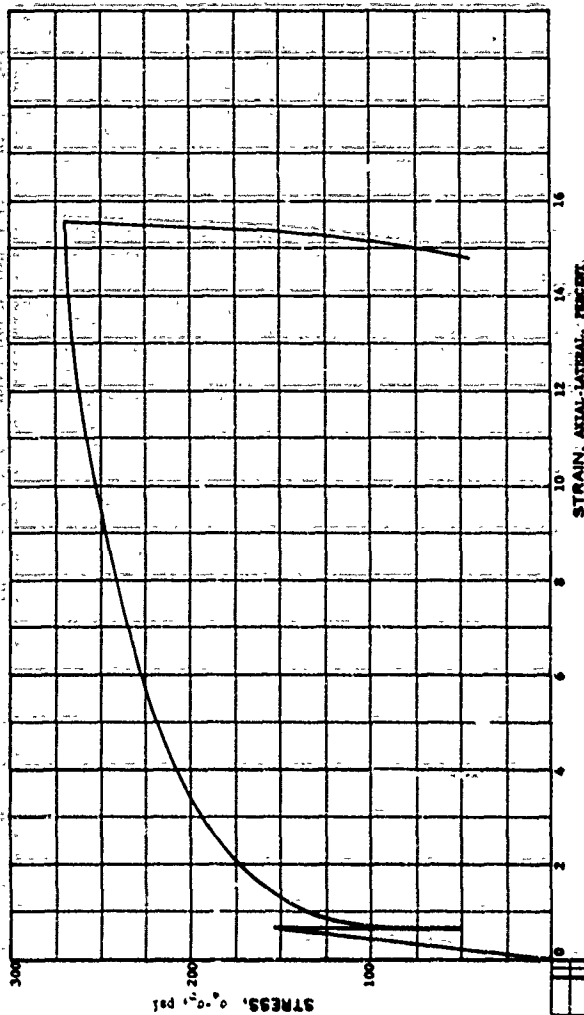
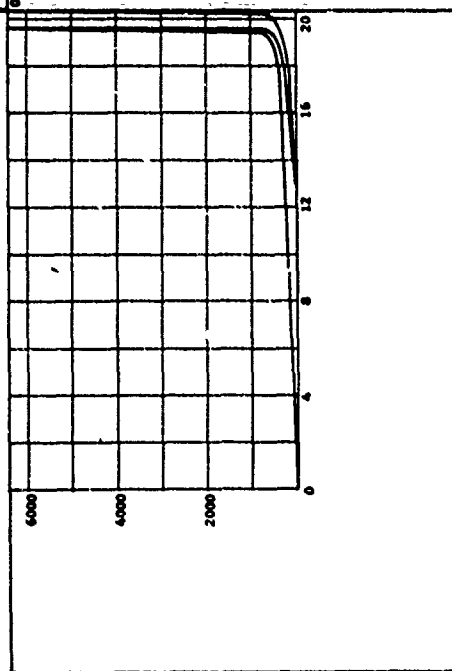
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT: Georgia Institute of Technology B-602	
Contract No. DMS9-67-C-0031	
AREA	
BORING NO.	SAMPLE NO. 194
DEPTH	DATE
EL	
LL 36	PL 17
PI 19	
DESCRIPTION: Molding E111 Clay	
Triaxial-Cyclic Shear @ 33%	

WATER CONTENT	W	12.53	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	42.13	%
DRY DENSITY	$\gamma_d$	99.43	PCF
WET DENSITY	$\gamma$	109.14	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



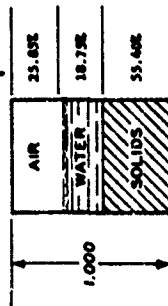
### HYDROSTATIC COMPRESSION PHASE



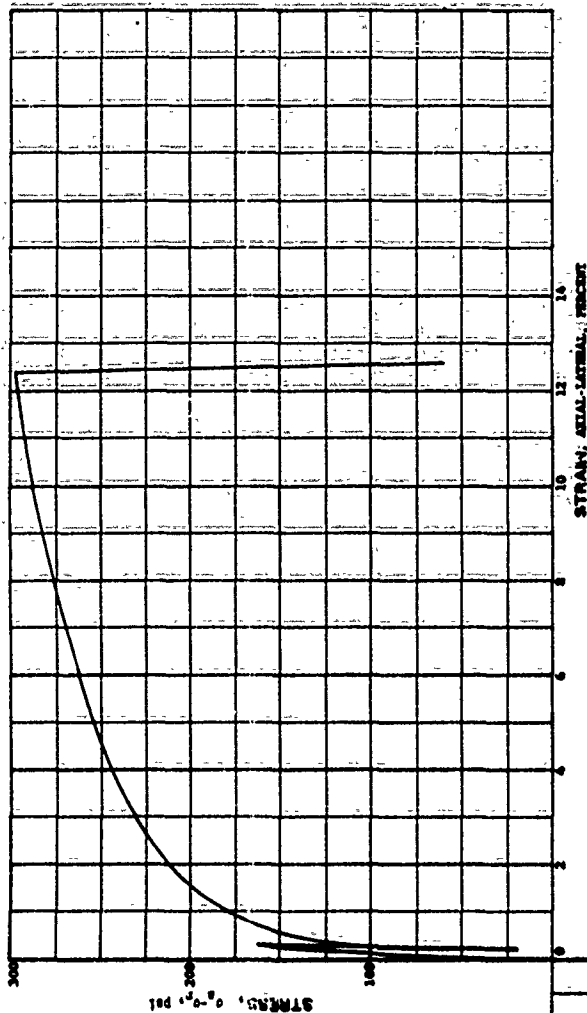
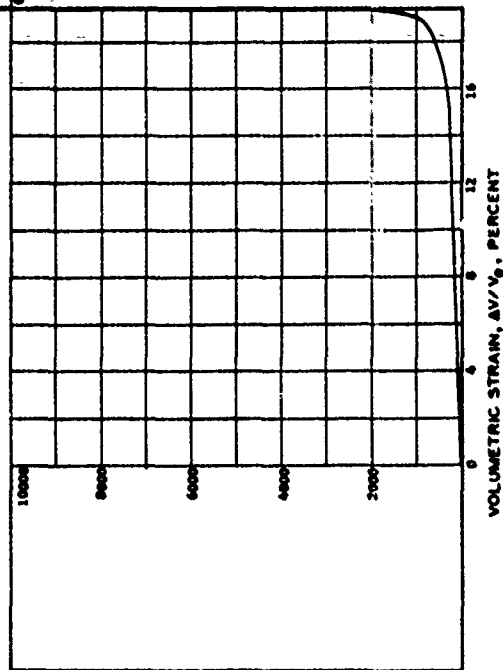
PROJECT: Georgia Institute of Technology 3-602			
Contract No. DAC32-57-C-0031			
AREA		SAMPLE NO. 290	
BORING NO.	DEPTH	DATE	
LL 36	PL 17	PL 19	
DESCRIPTION: Matching RILUCIY			
Triaxial-Cycle Compression, Cycle 5 Mar. 6 1958			

HYDROSTATIC PRESSURE, P, PSI

WATER CONTENT	W	12.33	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_0$	62.06	%
DRY DENSITY	$\gamma_d$	99.34	PCF
WET DENSITY	$\gamma$	105.00	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM

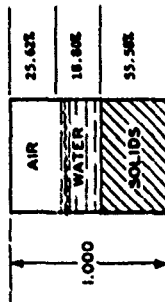


### HYDROSTATIC COMPRESSION PHASE

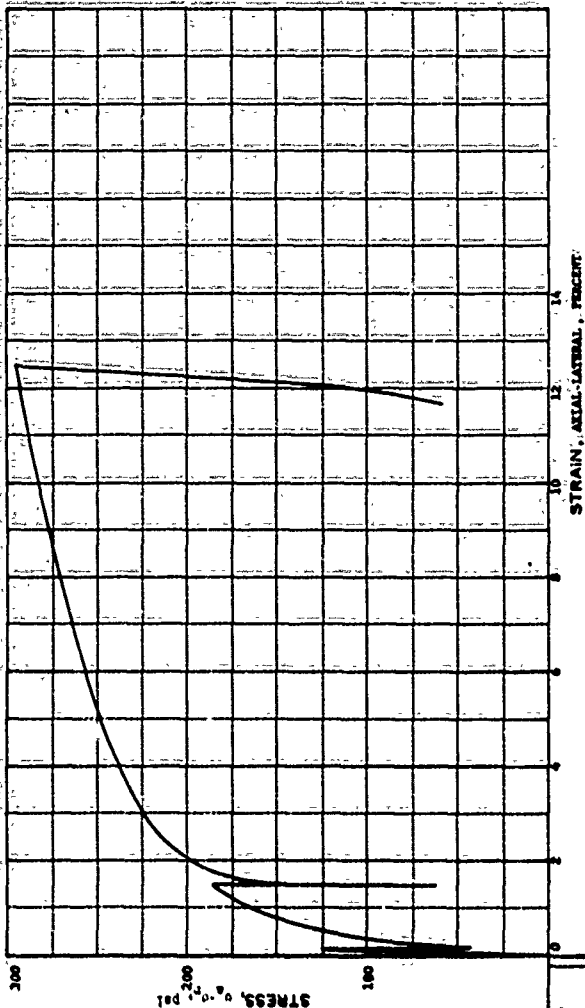
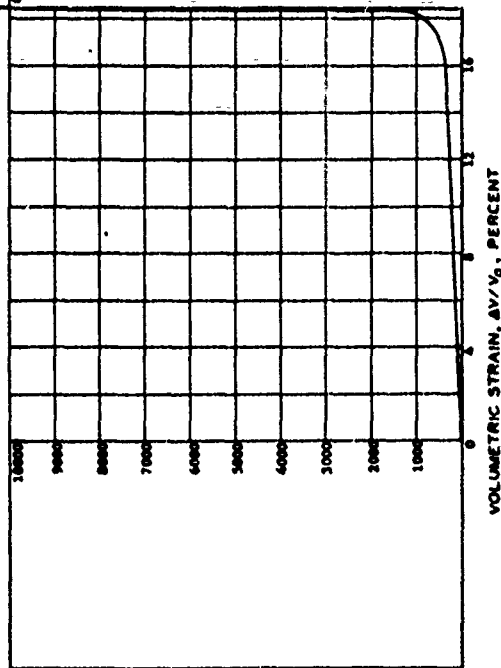


PROJECT Georgia Institute of Technology B-602			
Contract No. BGA39-67-C-0051			
AREA		SAMPLE NO. 287	
BORING NO.	DEPTH	DATE	
EL	PL	PL	PL
36	17	17	19
DESCRIPTION: Machine B11 Clay			
Triaxial-Cyclic Shear @ 375			

WATER CONTENT	W	12.53	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	42.32	%
DRY DENSITY	$\gamma_d$	99.43	PCF
WET DENSITY	$\gamma$	105.34	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.61	CM

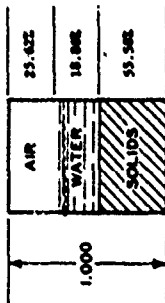


# HYDROSTATIC COMPRESSION PHASE

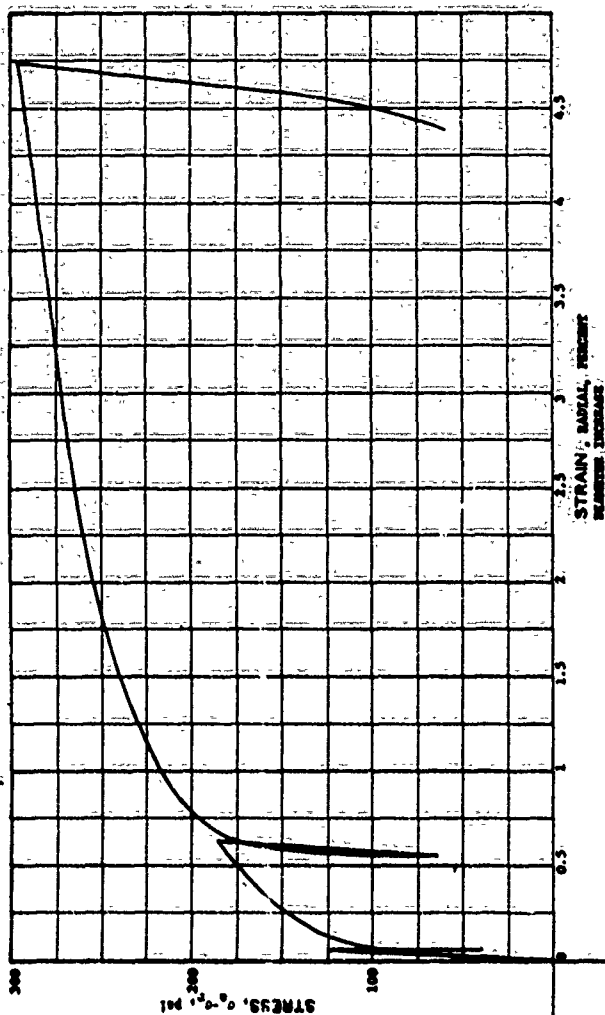


PROJECT <u>Georgia Institute of Technology B-602</u>			
Contract No. <u>MCJ9-67-C-0051</u>			
AREA _____			
BORING NO. _____	SAMPLE NO. <u>289</u>		
DEPTH _____	DATE _____		
LL <u>34</u>	PL <u>17</u>	PI <u>19</u>	
DESCRIPTION <u>Matching Mill Clay</u>			
Triaxial-Cyclic Shear @ 375 and 755			

WATER CONTENT	W	12.53	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	42.32	%
DRY DENSITY	$\gamma_d$	20.63	PCF
WET DENSITY	$\gamma$	185.36	PCF
SPECIFIC GRAVITY	$G_s$	2.78	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.61	CM



### HYDROSTATIC COMPRESSION PHASE

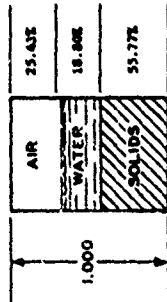


HYDROSTATIC PRESSURE,  $p$ , PSI

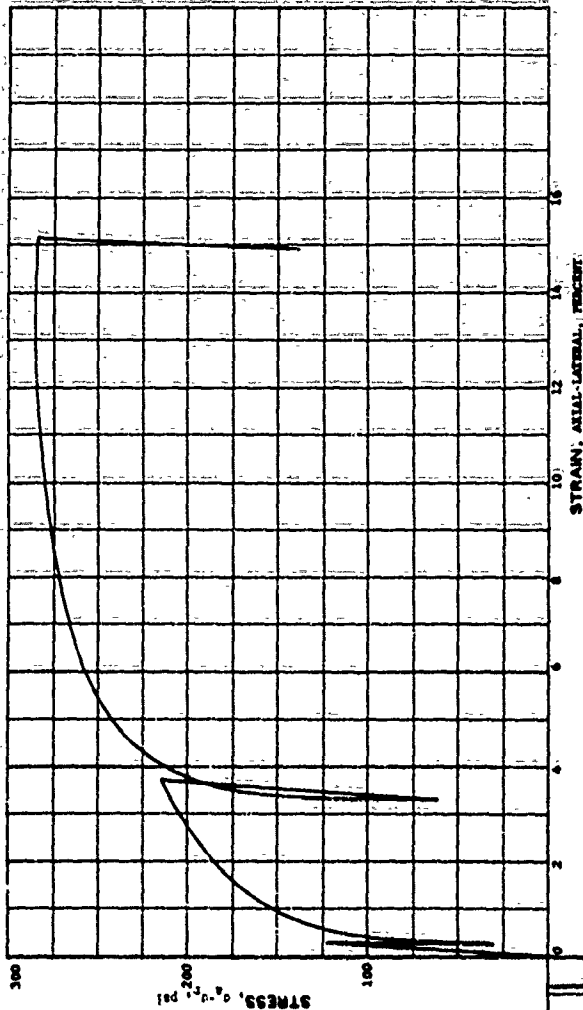
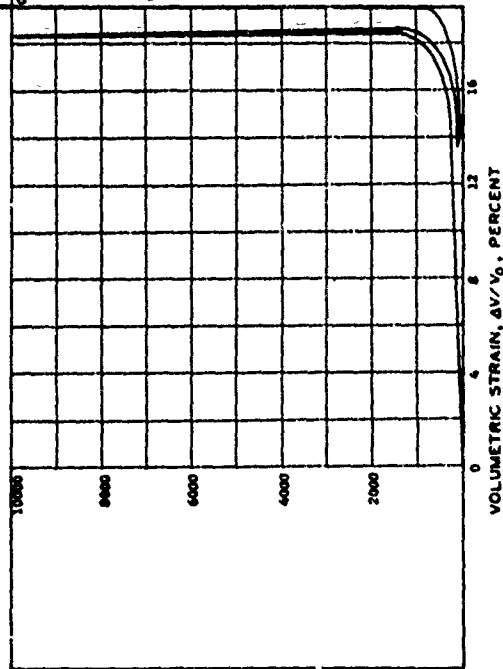
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT: Georgia Institute of Technology Bldg.			
Contract No. NKA39-47-C-0031			
AREA		SAMPLE NO. 289	
BORING NO.	DATE	PL	PI
DEPTH		17	19
EL			
LL	34	PL	17
DESCRIPTION	Machling Hill Clay		
Triaxial-Cycle Shear @ 33% and 75%.			

WATER CONTENT	W	12.49	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	42.32	%
DRY DENSITY	$\gamma_d$	98.96	PCF
WET DENSITY	$\gamma$	105.69	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.42	CM



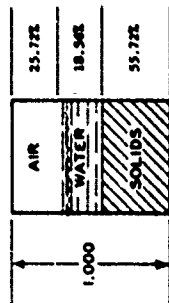
# HYDROSTATIC COMPRESSION PHASE



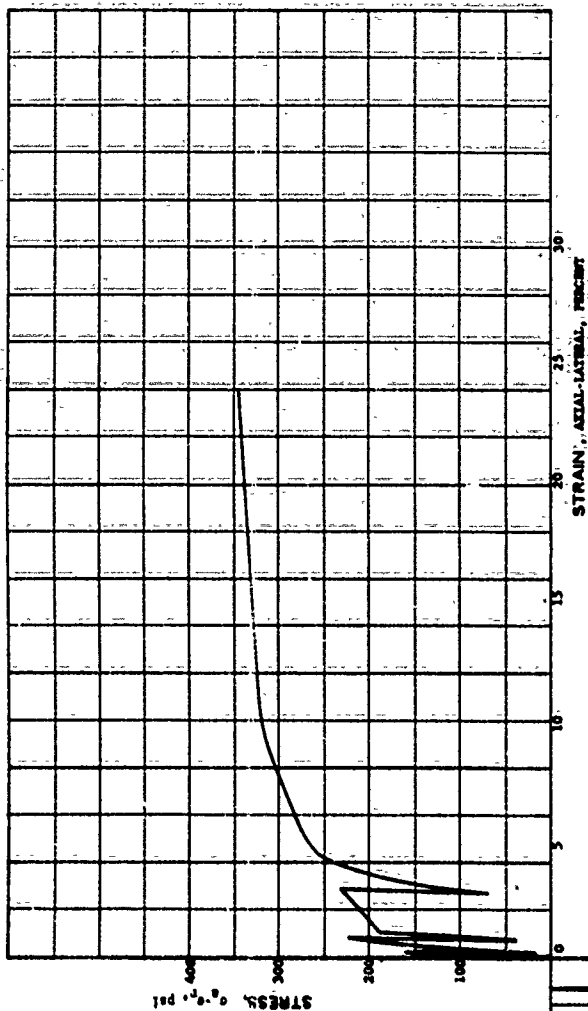
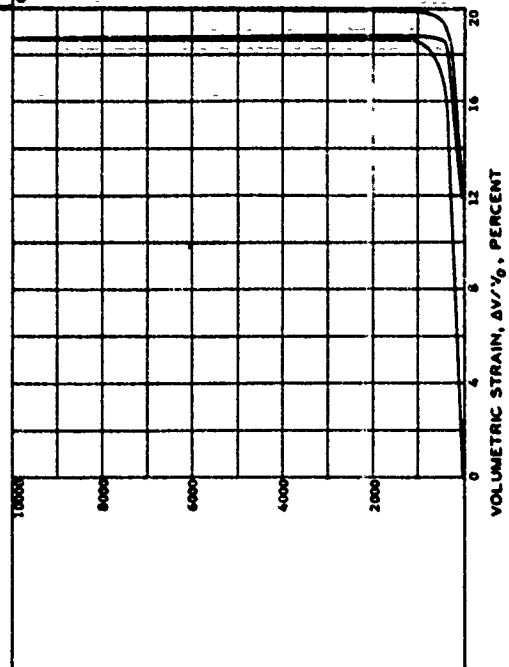
PROJECT: Georgia Institute of Technology B-402			
Contract No. DACW39-67-C-0031			
AREA		SAMPLE NO. 291	
BORING NO.		DATE	
DEPTH		PL 17	
EL		PL 19	
DESCRIPTION: Matching Mill Clay			
Triaxial-Cycle Compression, Cycle Shear @ 35% and 175%			

HYDROSTATIC PRESSURE, P, PSI

WATER CONTENT	W	12.34	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	41.91	%
DRY DENSITY	$\gamma_d$	90.87	PCF
WET DENSITY	$\gamma$	103.43	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.47	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



PROJECT: Georgia Institute of Technology B-602			
Contract No. DCA39-67-C-0031			
AREA		SAMPLE NO. 331	
BORING NO.	DEPTH	DATE	
LL 36	PL 17	PI 19	
DESCRIPTION: Washing Hill Clay			
Triaxial-Cycle Compression, Cycle Shear @ 13% and 7%			

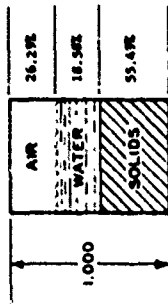
Group C

Constant Ratio Tests

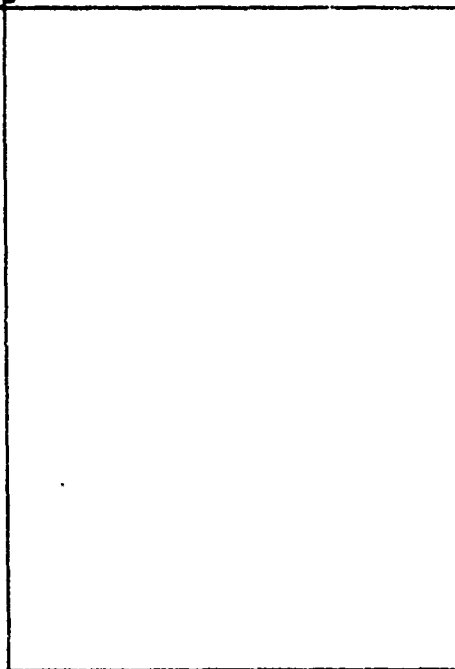


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WATER CONTENT	W	12.40	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.76	%
DRY DENSITY	$\gamma_d$	93.50	PCF
WET DENSITY	$\gamma$	105.09	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM

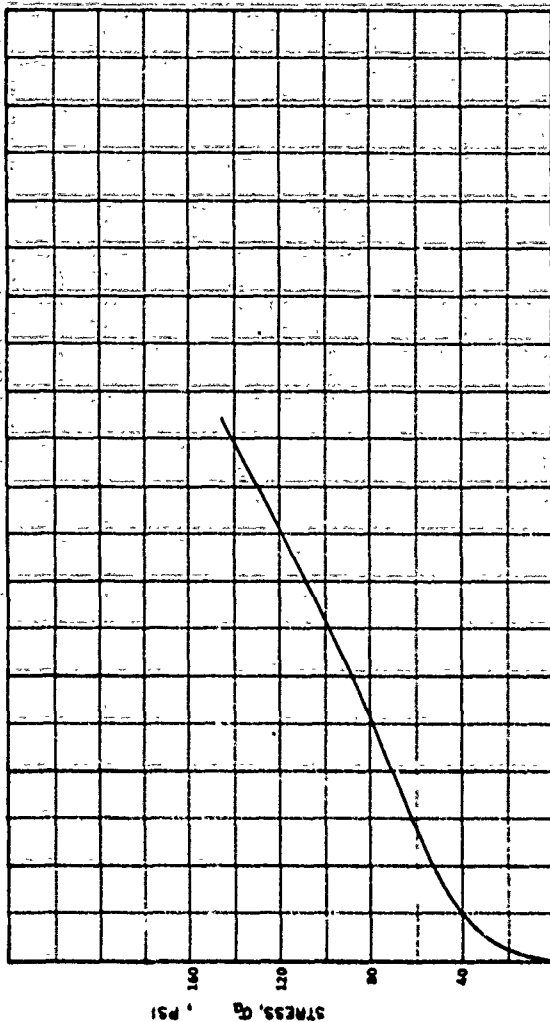


### HYDROSTATIC COMPRESSION PHASE



### DEVIATOR STRAIN, $\epsilon_d - \epsilon_r$ , PERCENT

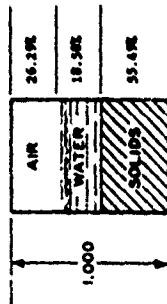
### TRIAxIAL SHEAR PHASE



PROJECT: Georgia Institute of Technology B-502	
Contract No. BGA39-67-C-0031	
AREA	
BORING NO.	SAMPLE NO. 26A
DEPTH	DATE
EL.	PL 36 PL 17 PL 19
DESCRIPTION Matching Mill Clay	
Constant Stress Ratio, 0.4	
Initial Pressure, 0 psi	

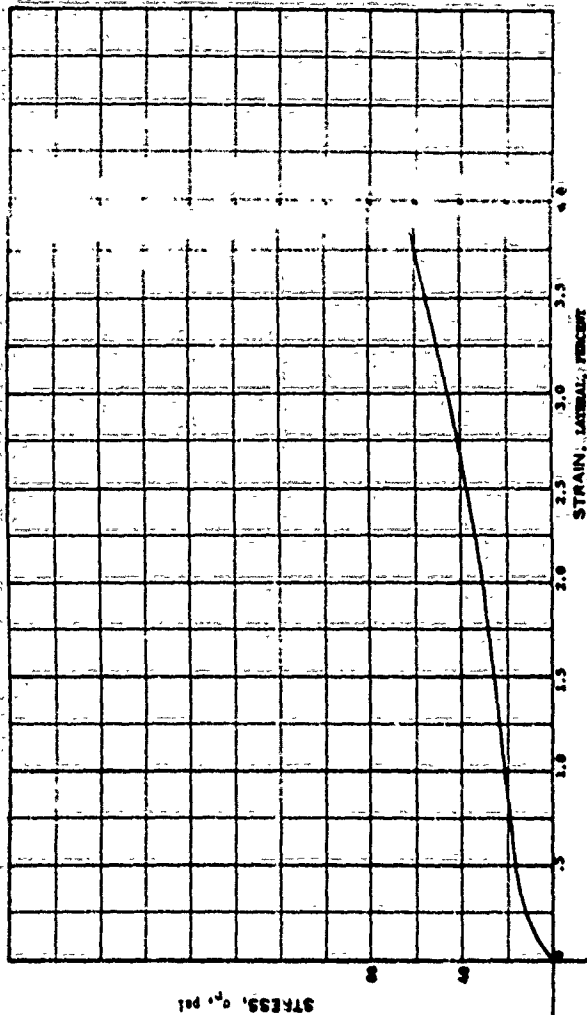
HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	12.40	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.74	%
DRY DENSITY	$\gamma_d$	85.50	PCF
WET DENSITY	$\gamma$	103.99	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



### HYDROSTATIC COMPRESSION PHASE

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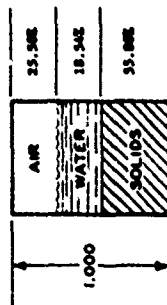


HYDROSTATIC PRESSURE,  $p$ , PSI

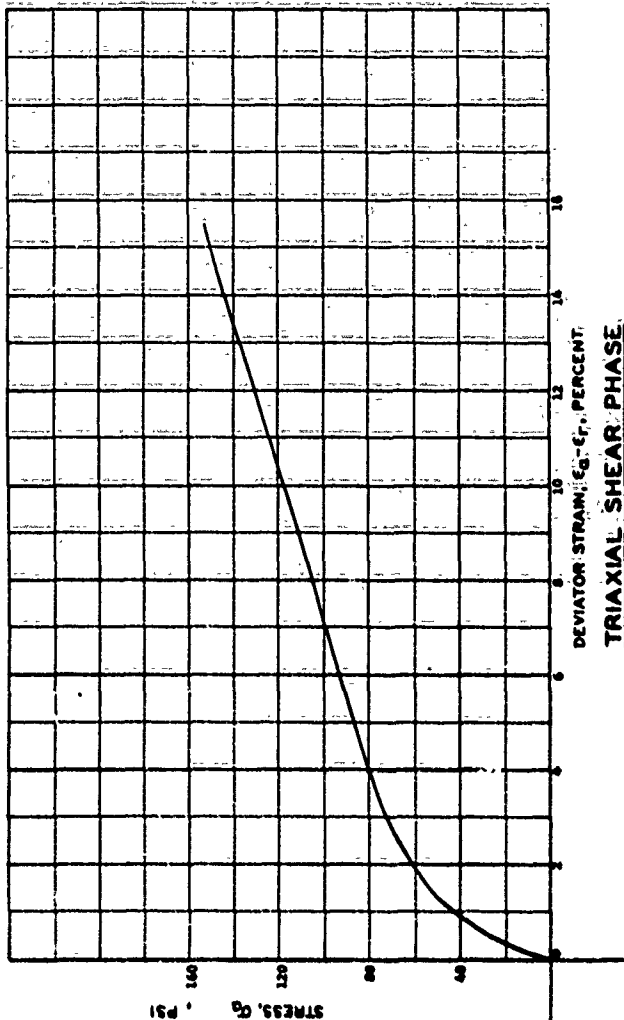
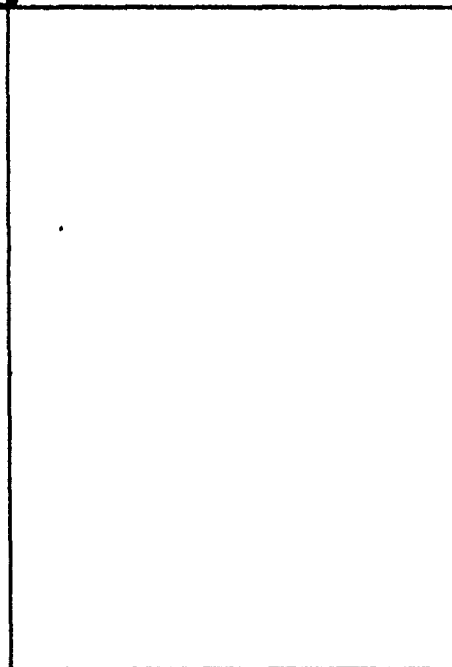
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology B-104	
		Contract No. DCA39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO. 104		
DEPTH	DATE		
EL.	36	PL	37
		PI	19
DESCRIPTION: Weighing Mill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 0 psi			

WATER CONTENT	W	12.29	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	42.02	%
DRY DENSITY	$\gamma_d$	94.14	PCF
WET DENSITY	$\gamma$	105.71	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE

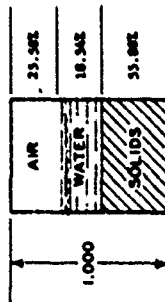


HYDROSTATIC PRESSURE,  $p$ , PSI

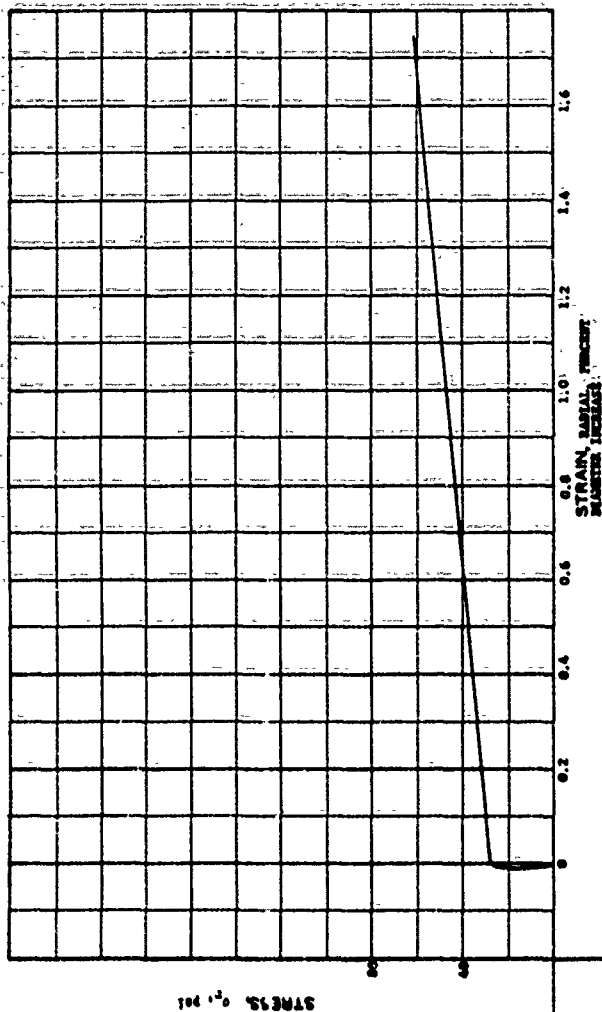
PROJECT		Georgia Institute of Technology 3-602	
CONTRACT NO.		DMC39-67-C-0051	
AREA			
BORING NO.	SAMPLE NO.	265	
DEPTH:	DATE		
EL	PL	17	P2 19
DESCRIPTION: Machine III, Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 0 psi			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	12.29	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	42.02	%
DRY DENSITY	$\gamma_d$	99.14	PCF
WET DENSITY	$\gamma$	105.71	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE

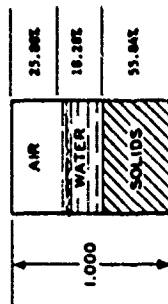


VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

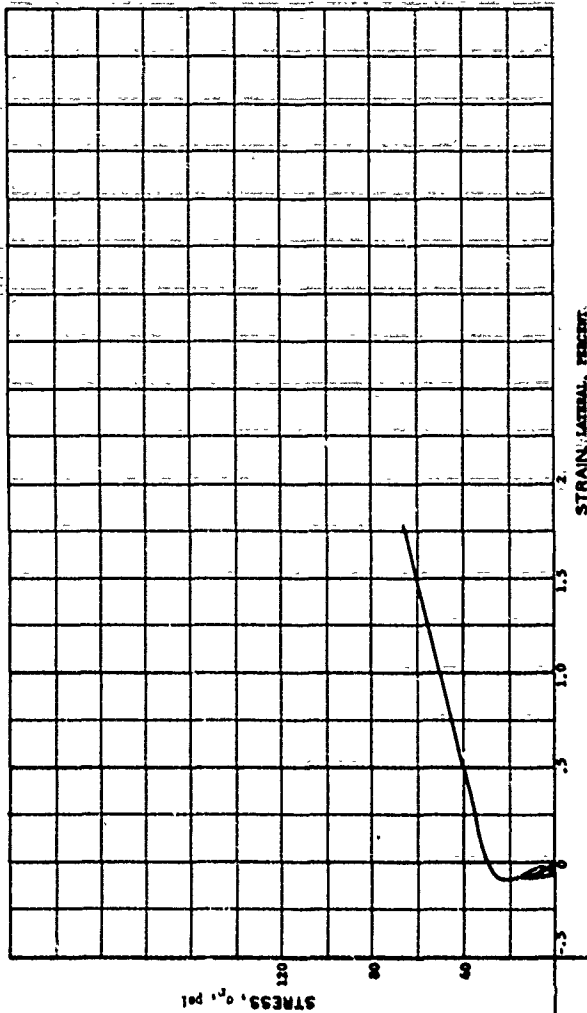
HYDROSTATIC PRESSURE,  $p$ , PSI

PROJECT		Georgia Institute of Technology B-602	
Contract No.		DMC39-47-C-0051	
AREA			
BORING NO.	SAMPLE NO. 265		
DEPTH	DATE		
EL	PL	PL	PL
1.1	36	17	19
DESCRIPTION: Wetmore Mill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 0 psi			

WATER CONTENT	W	12.12 %
VOID RATIO	$e_0$	0.79
SATURATION	$S_0$	41.39 %
DRY DENSITY	$\gamma_d$	96.08 PCF
WET DENSITY	$\gamma$	105.48 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.61 CM



### HYDROSTATIC COMPRESSION PHASE



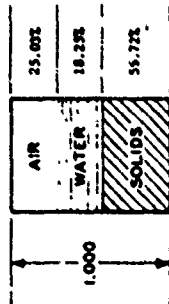
249

HYDROSTATIC PRESSURE, P, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology			
Contract No. DCA39-67-C-0031			
APSA		SAMPLE NO. 278	
BORING NO.	DEPTH	DATE	
LL 36	FL 17	PI 19	
DESCRIPTION: Matching Mill Clay			
Constant Stress Ratio, 0.4; Initial Pressure, 0.1 PSI			
Cycle Shear 0.352			

WATER CONTENT	W	11.92 %
VOID RATIO	$e_0$	0.76
SATURATION	$S_0$	42.18 %
DRY DENSITY	$\gamma_d$	95.56 PCF
WET DENSITY	$\gamma$	106.95 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	2.46 CM
SPECIMEN HEIGHT	$H_0$	7.63 CM

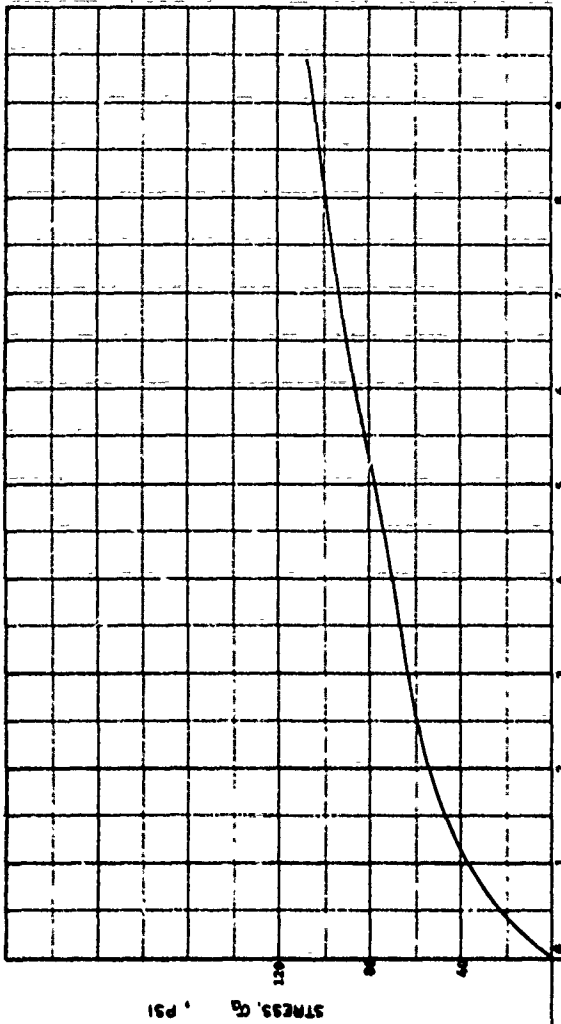


### HYDROSTATIC COMPRESSION PHASE

HYDROSTATIC PRESSURE,  $p$ , PSI

DEVIATOR STRAIN,  $\epsilon_d - \epsilon_r$ , PERCENT

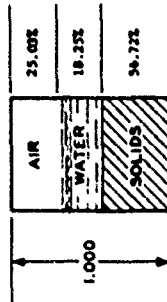
### TRIAxIAL SHEAR PHASE



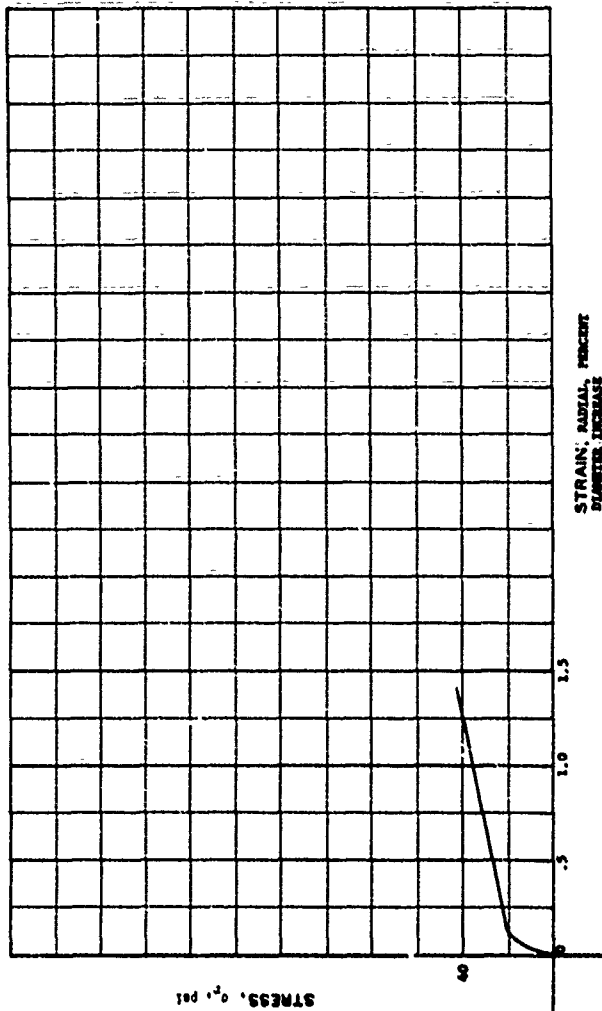
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology 3-602	
Contract No.		DMC39-67-C-0851	
AREA	BORING NO.	SAMPLE NO.	279
DEPTH	DATE	PL	17
EL	PL	19	
DESCRIPTION			
Watching Mill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 0 psi			

WATER CONTENT	W	11.92	%
VOID RATIO	$e_0$	0.76	
SATURATION	$S_0$	42.18	%
DRY DENSITY	$\gamma_d$	95.56	PCF
WET DENSITY	$\gamma$	106.95	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.44	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE

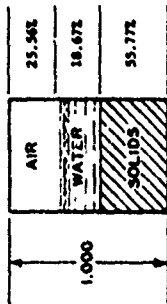


HYDROSTATIC PRESSURE,  $p$ , PSI

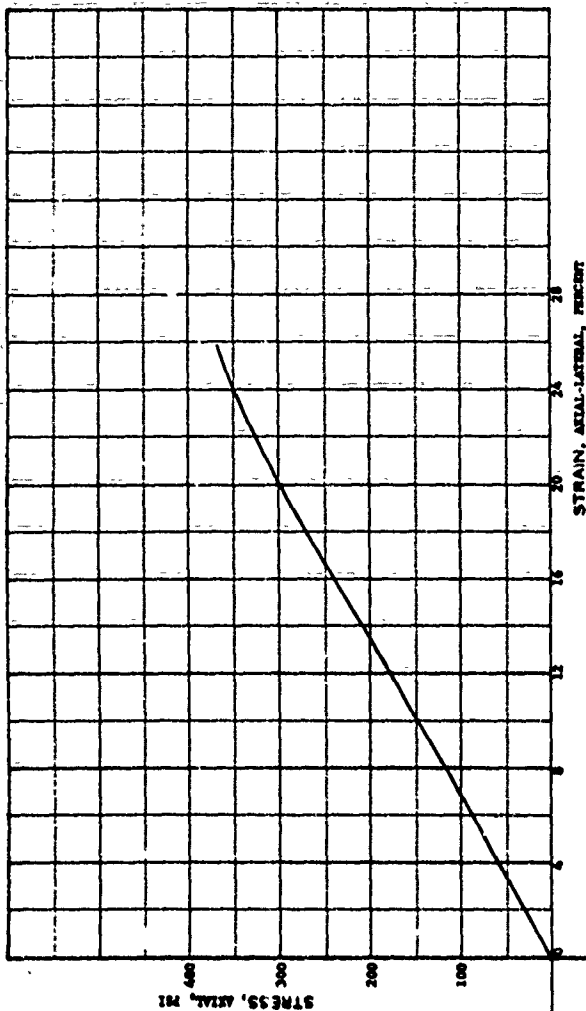
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology E-602	
CONTRACT NO.		DCA18-47-C-0051	
AREA			
BORING NO.	SAMPLE NO.	279	
DEPTH	DATE		
EL	PL	17	PI 19
DESCRIPTION: Watchdog Hill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 0 psi			

WATER CONTENT	W	12.40	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	43.21	%
DRY DENSITY	$\gamma_d$	90.96	PCF
WET DENSITY	$\gamma$	103.61	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.48	CM
SPECIMEN HEIGHT	$H_0$	7.60	CM



### HYDROSTATIC COMPRESSION PHASE



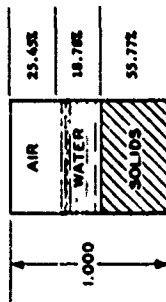
HYDROSTATIC PRESSURE, P, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

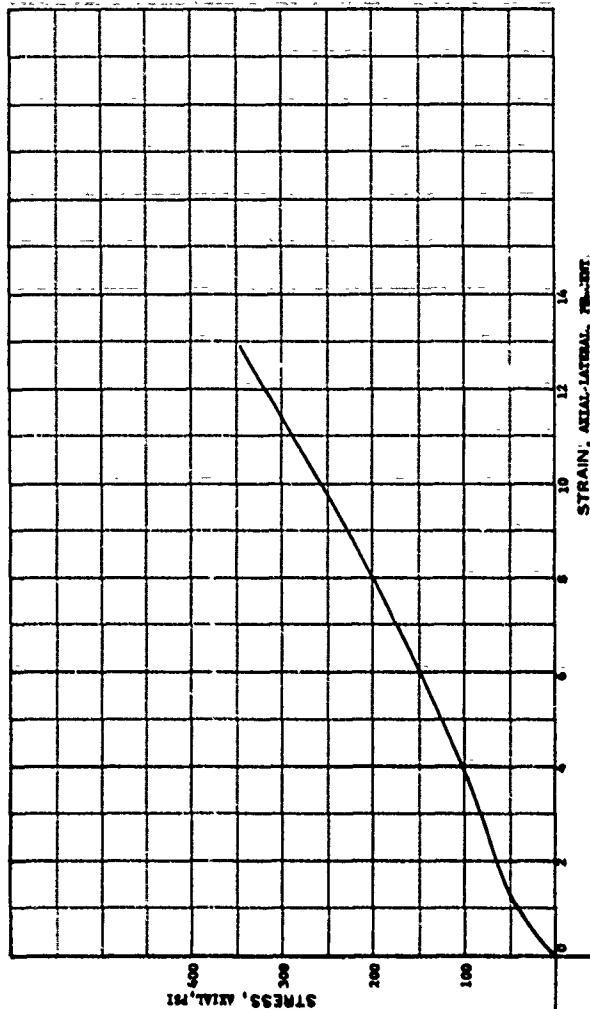
PROJECT <u>Ga. Tech. R-602</u>			
Contract No. <u>MDCA39-67-C-0031</u>			
AREA:		SAMPLE NO. <u>203</u>	
BORING NO.	DEPTH	DATE	
EL.	PL	PL	19
DESCRIPTION <u>Washine Hill Clay</u>			
Constant Stress Ratio, 0.4			
Initial Pressure, 100 psi			



WATER CONTENT	W	12.48	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	42.47	%
DRY DENSITY	$\gamma_d$	99.96	PCF
WET DENSITY	$\gamma$	105.48	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
TEST DIAMETER	$D_0$	3.45	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE

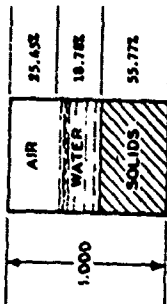


HYDROSTATIC PRESSURE, P, PSI

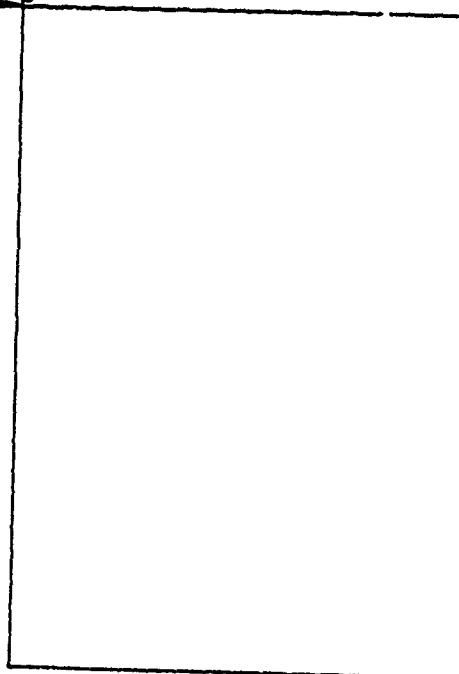
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT: Ga Tech B-402:			
Contract No. DAC39-47-C-0051			
AREA			
BORING NO.	SAMPLE NO. 207		
DEPTH	DATE		
EL	PL	PL	PL
LL	36	17	19
DESCRIPTION: Machine Hill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 100 psi			

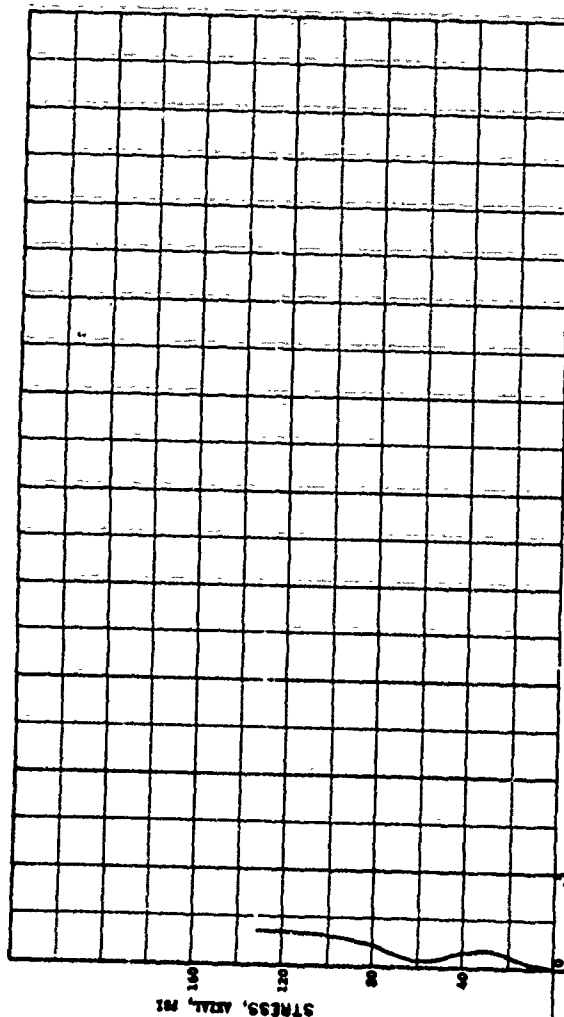
WATER CONTENT	W	12.48	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	42.47	%
DRY DENSITY	$\gamma_d$	93.96	PCF
WET DENSITY	$\gamma$	105.48	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



HYDROSTATIC PRESSURE, P, PSI

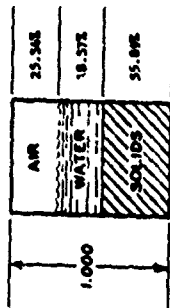


STRAIN, LATERAL, PER

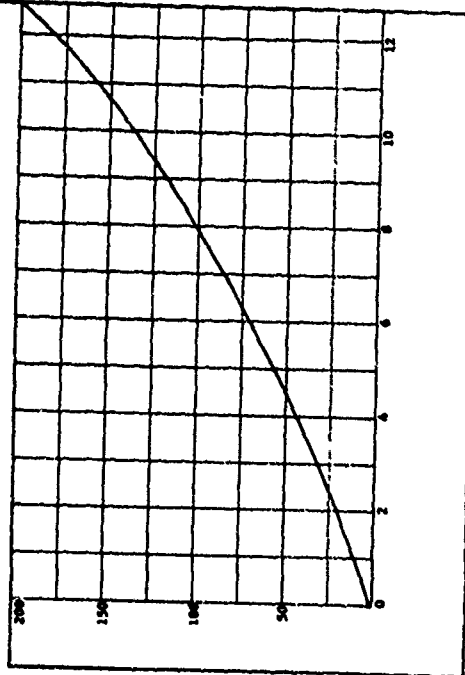
PROJECT Ca Tech B-602:			
CONTRACT NO. BNC432-47-C-0031			
AREA		SAMPLE NO. 207	
BORING NO.	DEPTH	DATE	
LL 36	PL 27	PI 19	
DESCRIPTION Machine Built Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 100 psi			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	12.31	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	42.09	%
DRY DENSITY	$\gamma_d$	94.15	PCF
WET DENSITY	$\gamma$	105.74	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.48	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM

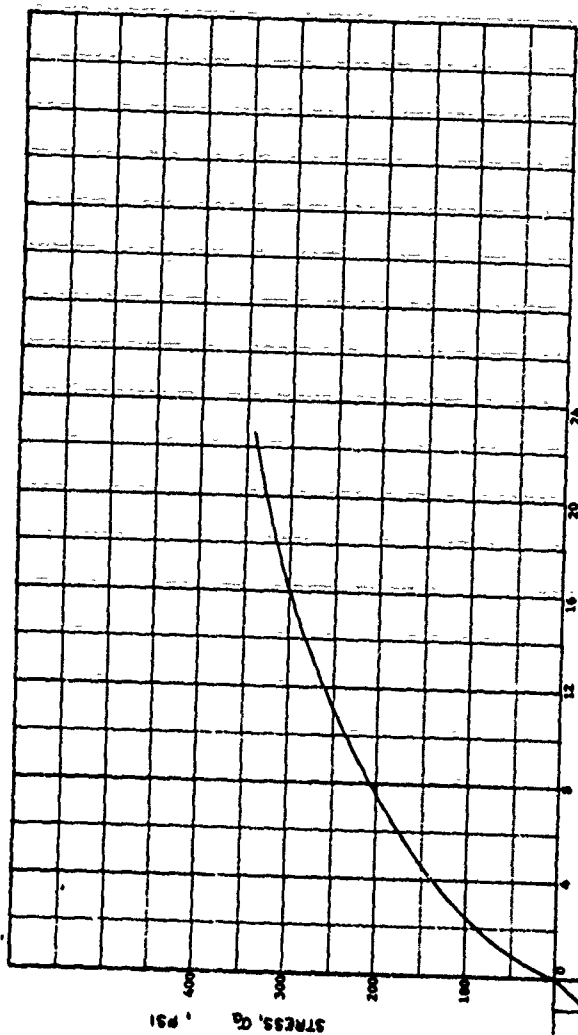


### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

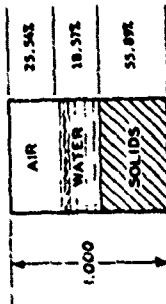
HYDROSTATIC PRESSURE,  $p$ , PSF



### TRIAxIAL SHEAR PHASE

PROJECT: Georgia Institute of Technology E-602	
Contract No. DCA39-67-C-0051	
AREA	
BORING NO.	SAMPLE NO. 237
DEPTH	DATE
EL.	PL 17
LL 36	PL 19
DESCRIPTION: Matching Mill Clay	
Constant Stress Ratio, 0.6	
Initial Pressure, 200 psi	

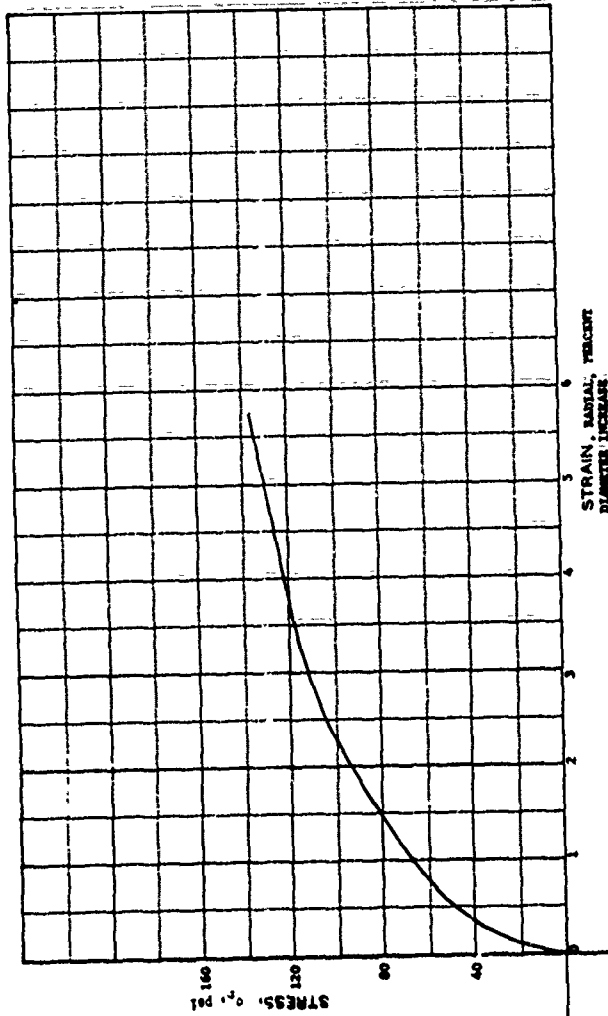
WATER CONTENT	W	12.31 %
VOID RATIO	$e_0$	0.79
SATURATION	$S_0$	42.09 %
DRY DENSITY	$\gamma_d$	96.15 PCF
WET DENSITY	$\gamma$	105.76 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.48 CM
SPECIMEN HEIGHT	$H_0$	7.63 CM



# HYDROSTATIC COMPRESSION PHASE

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HYDROSTATIC PRESSURE, P, PSI

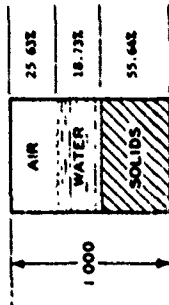


STRAIN, RADIAL, PERCENT  
DIAMETER INCREASE

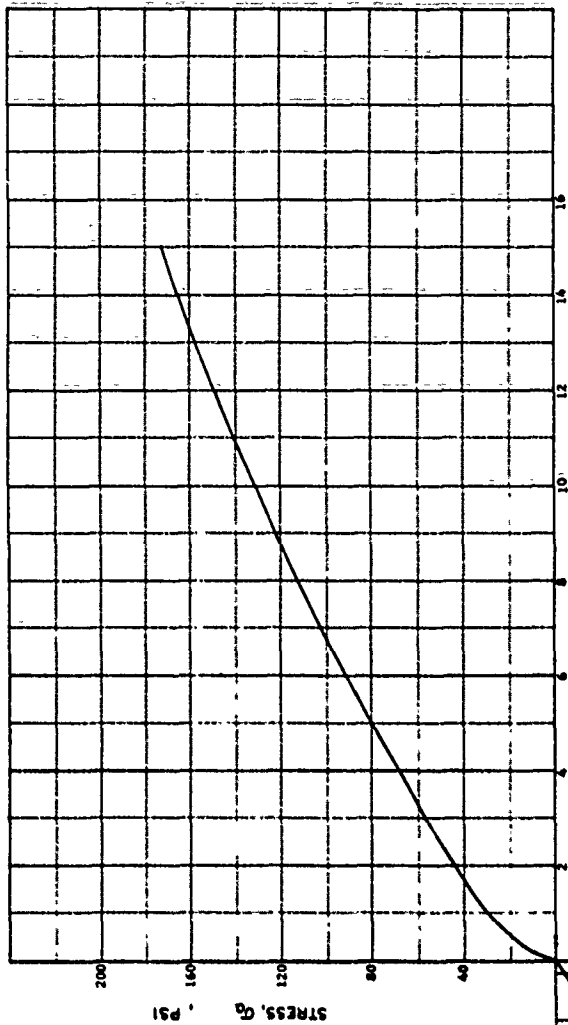
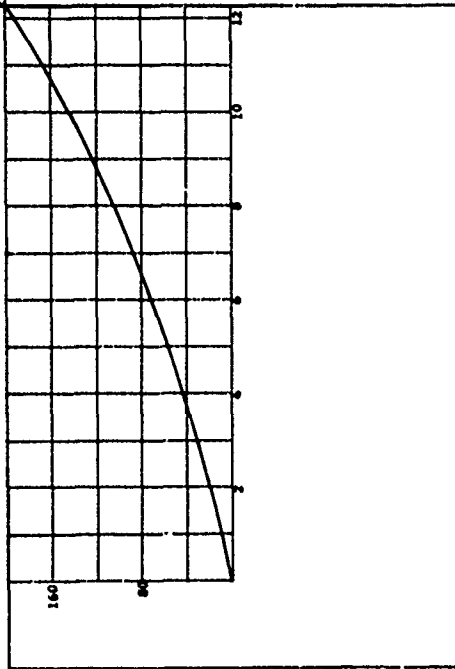
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology E-602	
		Contract No. DM0319-67-C-0051	
AREA			
BORING NO.	SAMPLE NO.	237	
DEPTH	DATE		
LL	PL	17	PI 19
DESCRIPTION			
Marching Hill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 200 psi			

WATER CONTENT	W	12.47	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	42.22	%
DRY DENSITY	$\gamma_0$	93.75	PCF
WET DENSITY	$\gamma$	105.43	PCF
UNIT-WEIGHT GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



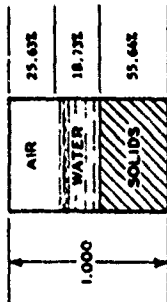
### HYDROSTATIC COMPRESSION PHASE



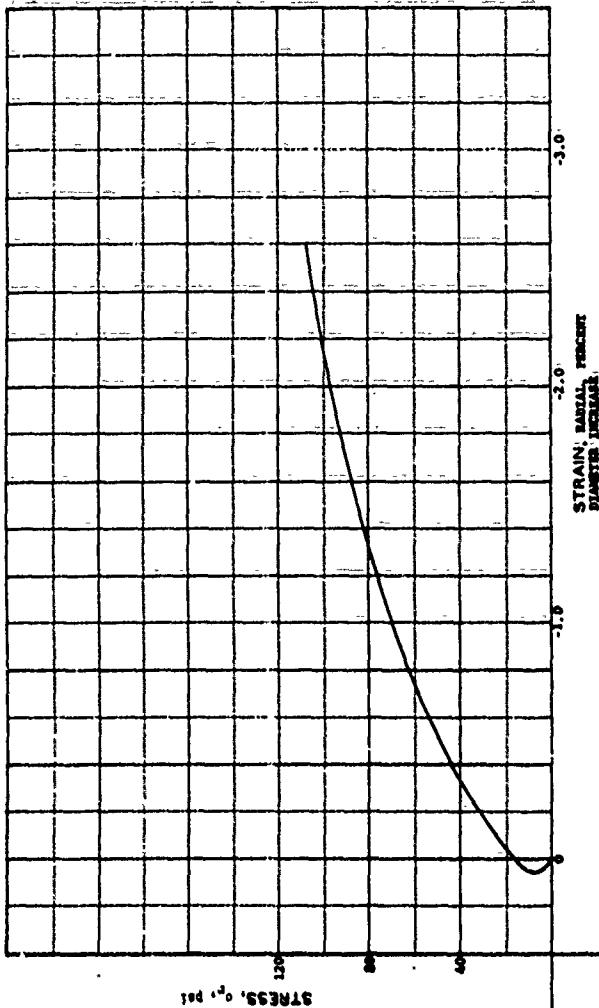
### TRIAxIAL SHEAR PHASE

PROJECT Georgia Institute of Technology B-402			
Contract No. DMC39-47-C-0051			
AREA	SAMPLE NO. 238		
BORING NO.	DATE		
DEPTH	PL	17	PI
EL.	36	17	19
DESCRIPTION Matching Mill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure 200 PSI			

WATER CONTENT		W	13.47	%
VOID RATIO		$e_0$	0.80	
SATURATION		$S_0$	42.22	%
DRY DENSITY		$\gamma_d$	99.75	PCF
WET DENSITY		$\gamma$	105.43	PCF
SPECIFIC GRAVITY		$G_s$	2.70	
SPECIMEN DIAMETER		$D_0$	3.50	CM
SPECIMEN HEIGHT		$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



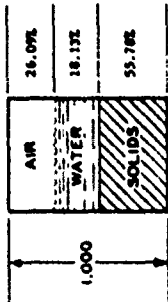
HYDROSTATIC PRESSURE, p, PSI

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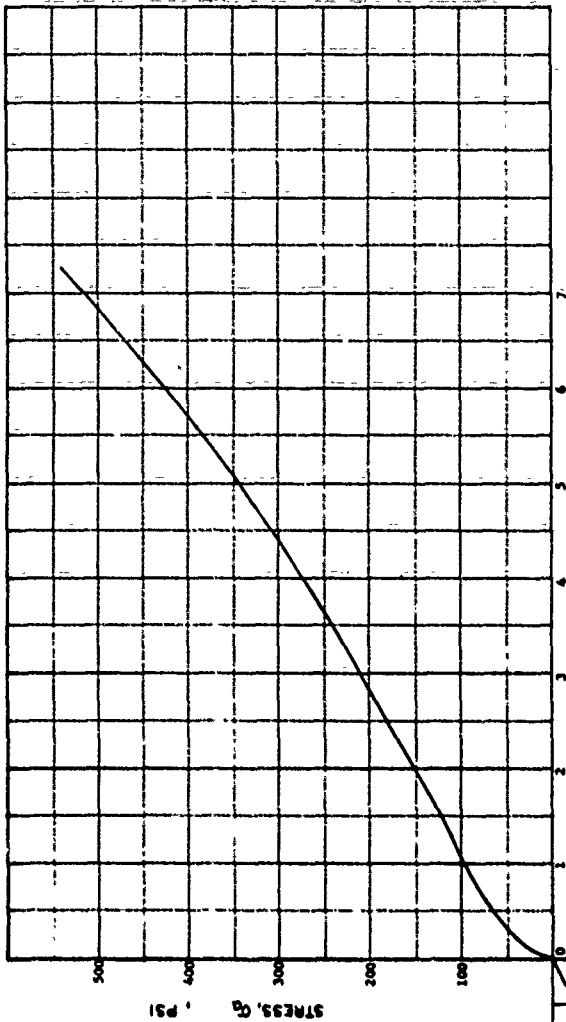
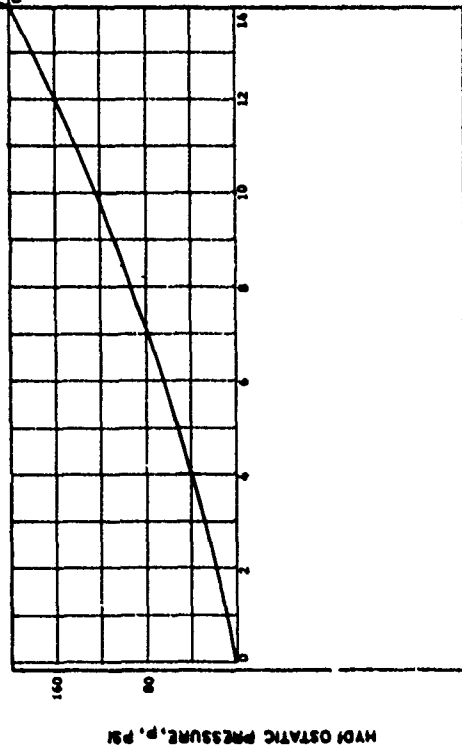
PROJECT		Georgia Institute of Technology, B-602	
		Contract No. DCA39-67-C-0051	
AREA			
BORING NO.		SAMPLE NO.	238
DEPTH		DATE	
EL.		PL	17
LL	36	PI	19
DESCRIPTION: Marshing Hill Clay			
Constant Stress Basis, 0.4			
Initial Pressure 200 psi			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	12.04	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	41.00	%
DRY DENSITY	$\gamma_s$	93.98	PCF
WET DENSITY	$\gamma$	105.28	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE

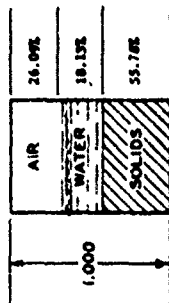


### TRIAxIAL SHEAR PHASE

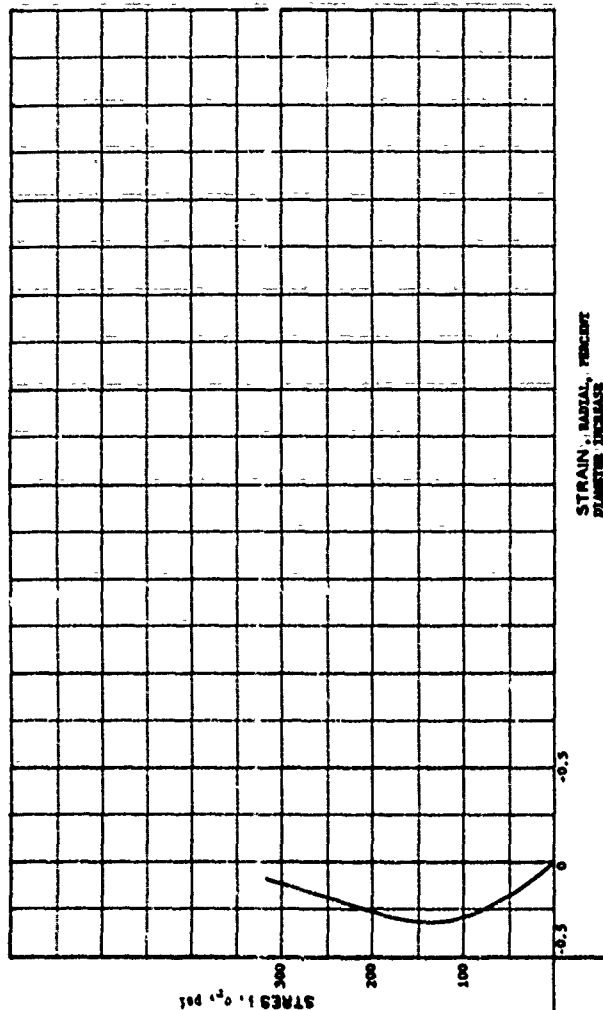
PROJECT		Georgia Institute of Technology B-602	
		Contract No. DMC39-67-C-0031	
AREA		SAMPLE NO.	239
BORING NO.		DATE	
DEPTH		PL	17
EL		P1	19
DESCRIPTION: Weching Mill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 200 psi			

### VOLUMETRIC STRAIN, $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	12.04	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	41.00	%
DRY DENSITY	$\gamma_d$	93.98	PCF
WET DENSITY	$\gamma$	105.23	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE



HYDROSTATIC PRESSURE, p, PSI

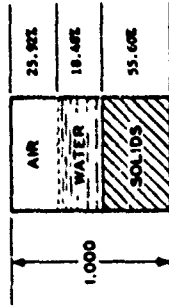
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PROJECT Georgia Institute of Technology 3-602	
Contract No. DCA39-67-C-0031	
AREA	
BORING NO.	SAMPLE NO. 219
DEPTH	DATE
EL	
LL 36	PL 17
PI 19	
DESCRIPTION Watching Hill Clay	
Constant Stress Ratio, 0.4	
Initial Pressure, 200 psi	

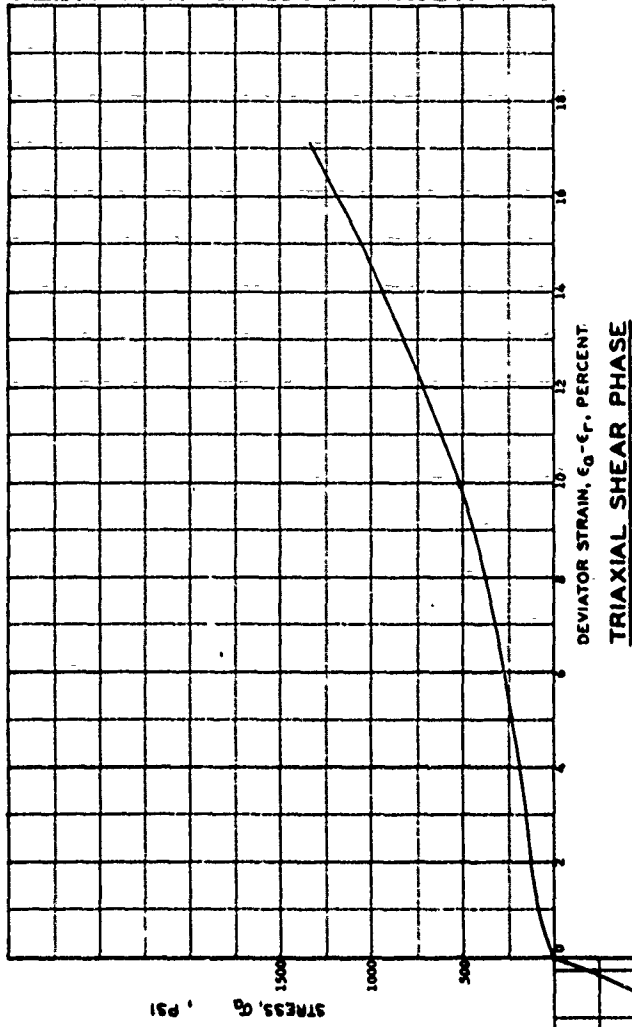
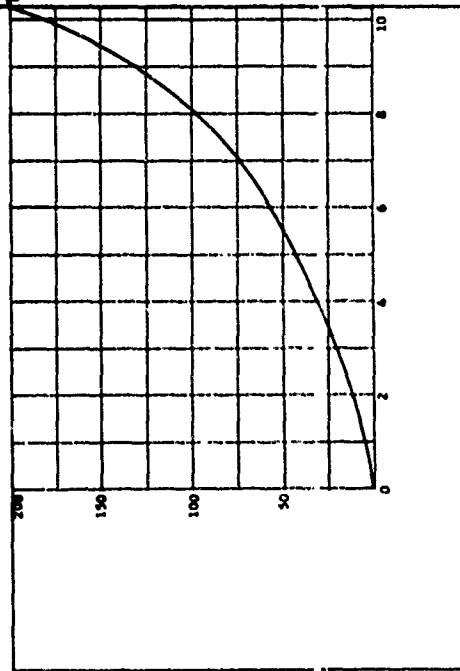
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



WATER CONTENT	W	12.31	%
VOID RATIO	$e_0$	0.86	
SATURATION	$S_0$	41.61	%
DRY DENSITY	$\gamma_d$	93.68	PCF
WET DENSITY	$\gamma$	105.21	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE

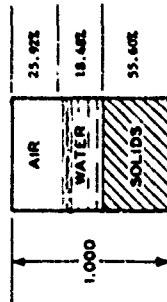


### TRIAxIAL SHEAR PHASE

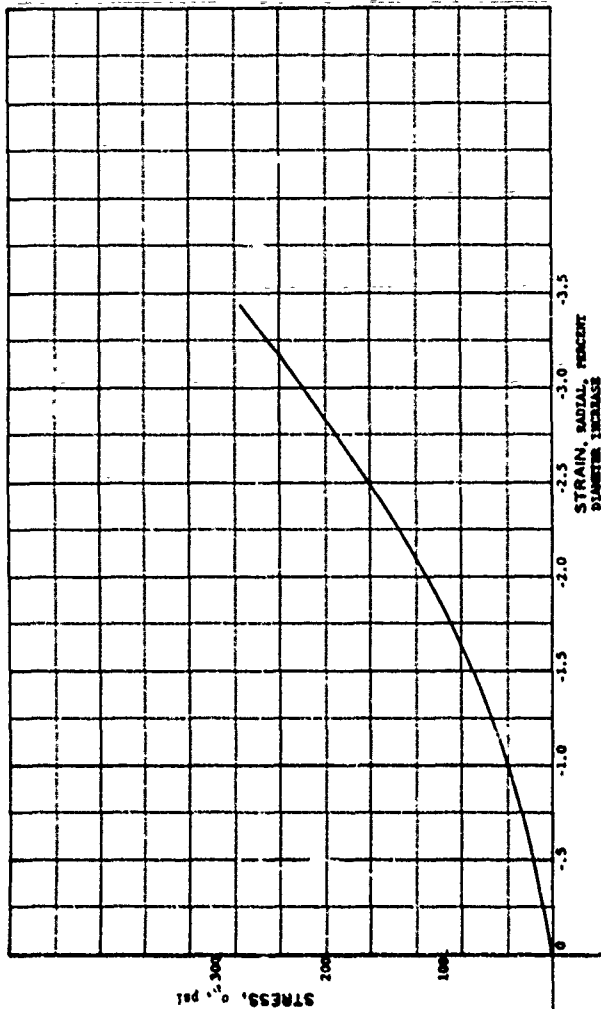
PROJECT		Georgia Institute of Technology	
Contract No. DMC39-67-C-0051		Contract No. DMC39-67-C-0051	
AREA	BORING NO.	SAMPLE NO.	255
DEPTH	DATE	DATE	
LL	36	PL	17
DESCRIPTION	Machine Hill Clay		
Constant Stress Ratio	0.4		
Initial Pressure	200 psi		

HYDROSTATIC PRESSURE, P, PSI

WATER CONTENT	W	12.31	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	63.61	%
DRY DENSITY	$\gamma_d$	99.68	PCF
WET DENSITY	$\gamma$	105.21	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE

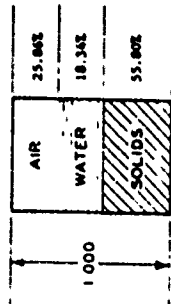


HYDROSTATIC PRESSURE,  $p$ , PSI

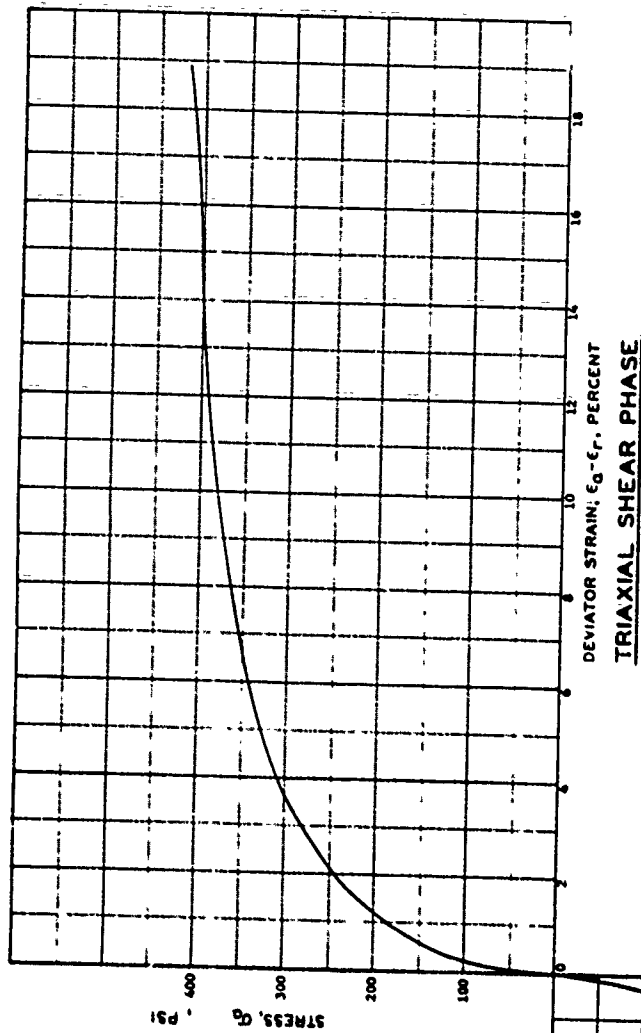
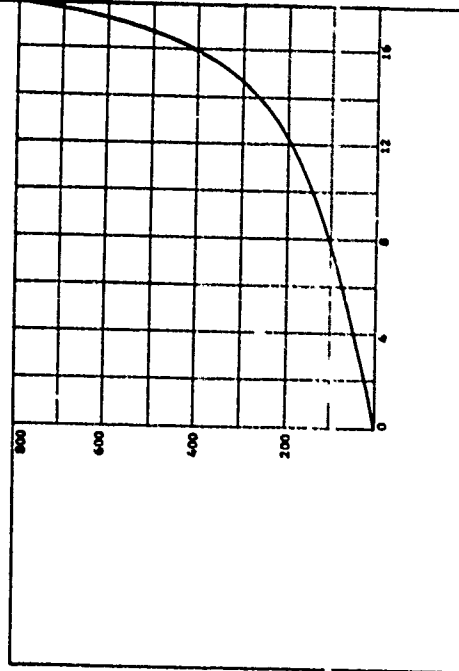
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology 8-602	
		Contract No. DMC39-67-C-0051	
AREA			
BORING NO.	SAMPLE NO.	255	
DEPTH	DATE		
EL			
LL	PL	PI	19
DESCRIPTION Matching Mill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 200 psi			

WATER CONTENT	W	12.17	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	41.50	%
DRY DENSITY	$\gamma_d$	94.01	PCF
WET DENSITY	$\gamma$	105.45	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
DEFLECTED DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.42	CM

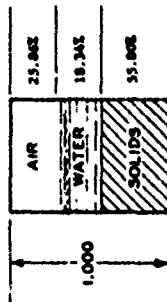


### HYDROSTATIC COMPRESSION PHASE

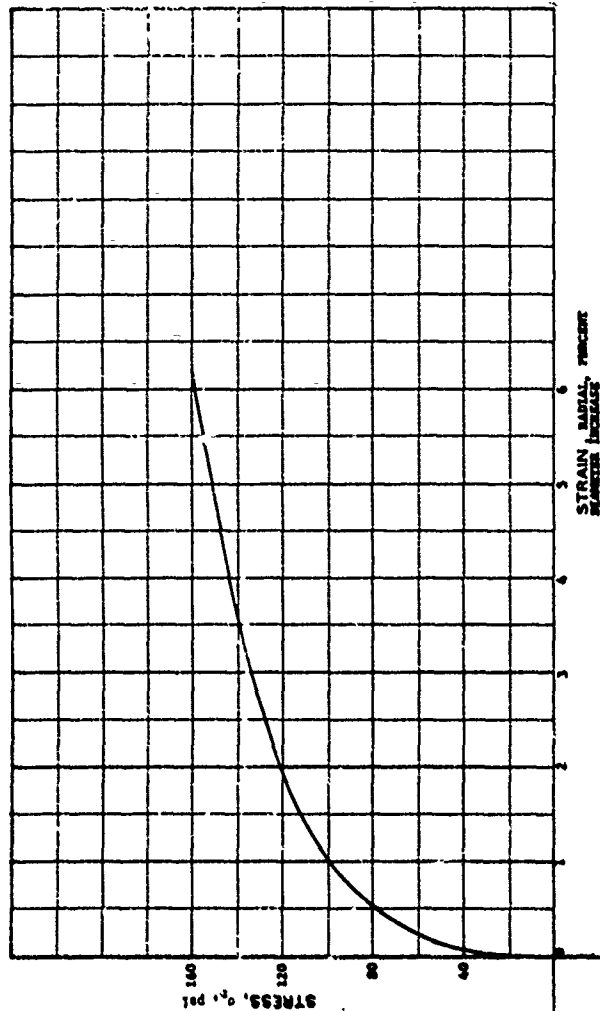


PROJECT		Georgia Institute of Technology B-402	
		Contract No. DMC39-67-C-0031	
BORING NO.		SAMPLE NO. 244	
DEPTH		DATE	
LL	36	PL	17
		PI	19
DESCRIPTION			
Matching Mill Clay			
Constant Stress Ratio, 0.3			
Initial Pressure 400 psi			

WATER CONTENT	W	12.17	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	41.30	%
DRY DENSITY	$\gamma_d$	94.01	PCF
WET DENSITY	$\gamma$	105.45	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE

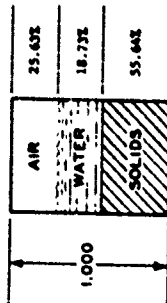


HYDROSTATIC PRESSURE, P, PSI

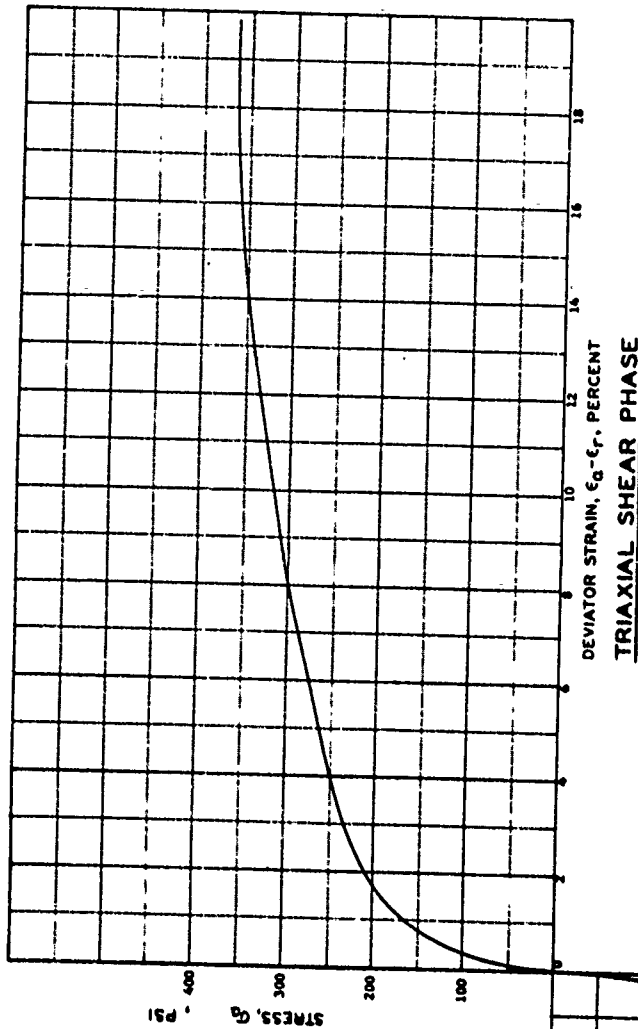
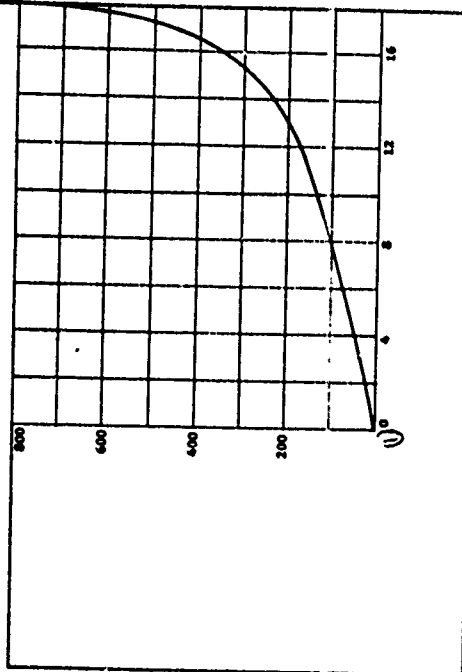
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology 3-602	
		Contract No. DCA19-67-C-0051	
AREA			
BORING NO.		SAMPLE NO. 244	
DEPTH		DATE	
LL 34	PL 17	PI 19	
DESCRIPTION Matching Hill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 800 psi			

WATER CONTENT	W	12.47 %
VOID RATIO	$e_0$	0.80
SATURATION	$S_0$	42.22 %
DRY DENSITY	$\gamma_d$	91.75 PCF
WET DENSITY	$\gamma$	105.43 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.43 CM



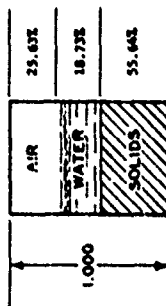
### HYDROSTATIC COMPRESSION PHASE



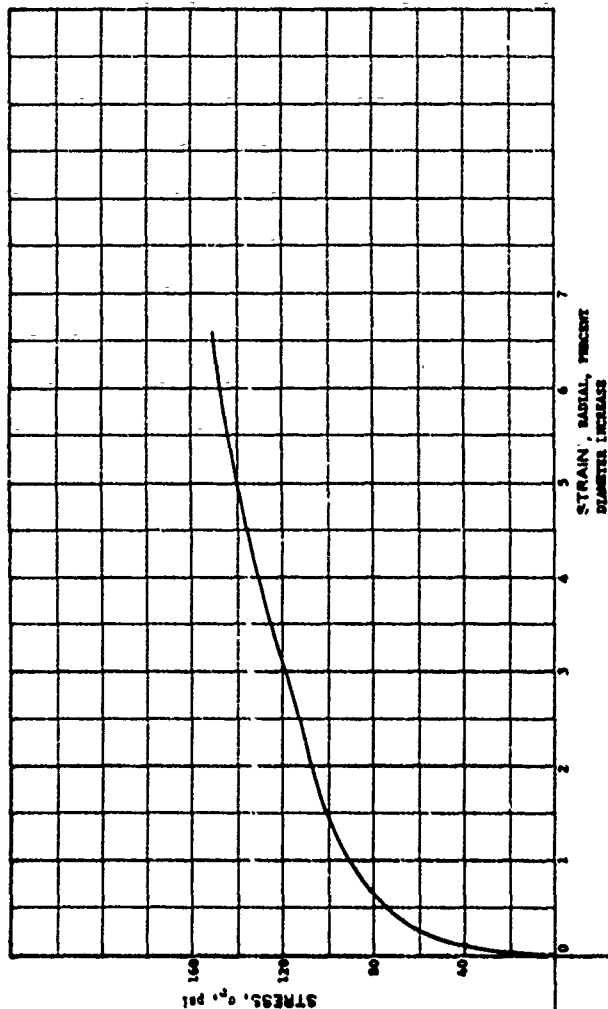
### TRIAXIAL SHEAR PHASE

PROJECT		Georgia Institute of Technology B-602	
Contract No.		DACA39-47-C-0031	
AREA			
BORING NO.	SAMPLE NO.	DATE	PL
DEPTH	241		17
EL			19
DESCRIPTION			
Watching Hill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 800 psi			

WATER CONTENT	W	12.47 %
VOID RATIO	$e_0$	0.80
SATURATION	$S_0$	42.22 %
DRY DENSITY	$\gamma_d$	99.75 PCF
WET DENSITY	$\gamma$	105.43 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.63 CM



### HYDROSTATIC COMPRESSION PHASE



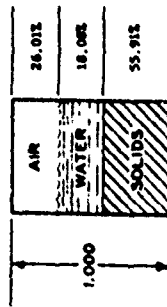
HYDROSTATIC PRESSURE, p, PSI

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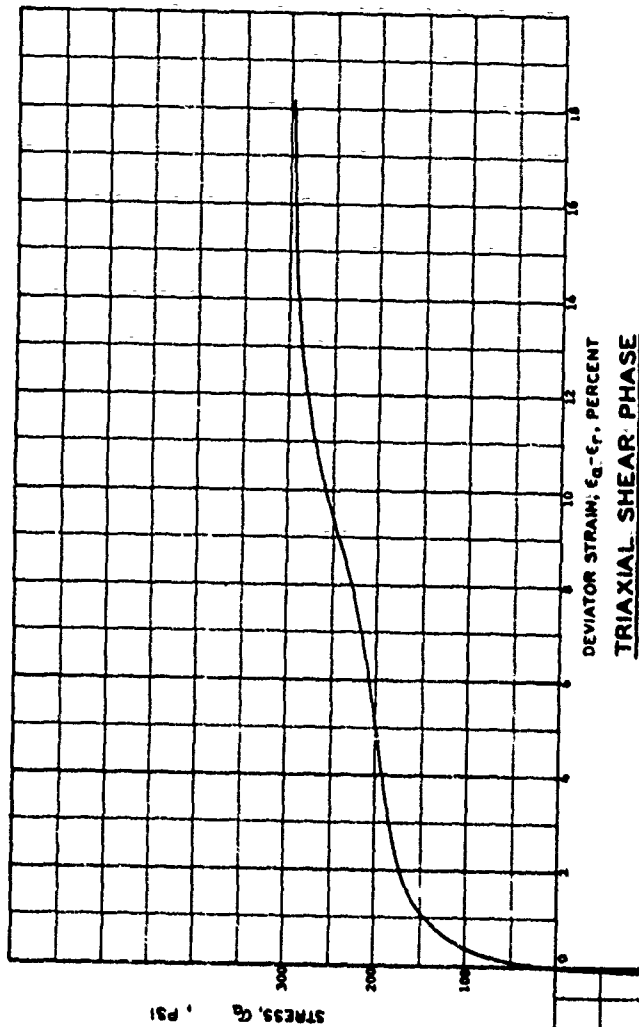
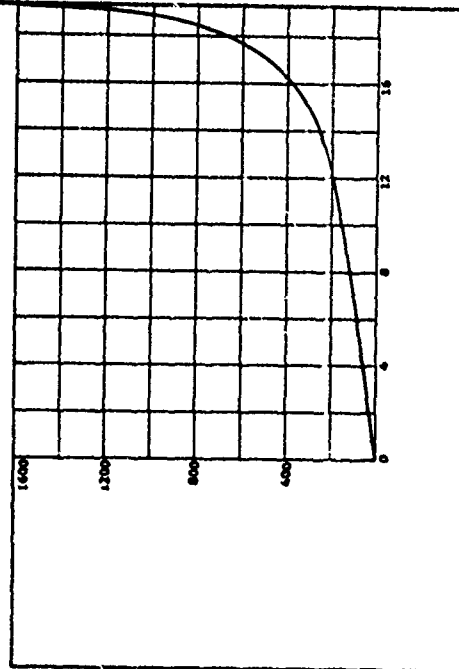
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology 5-602	
		Contract No. DAP3D-67-C-0051	
AREA			
BORING NO.	SAMPLE NO.	241	
DEPTH	DATE		
EL			
LL	PL	17	PI 19
DESCRIPTION Machine Hill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 800 psi			

WATER CONTENT	W	11.98 %
VOID RATIO	$e_0$	0.79
SATURATION	$S_0$	41.01 %
DRY DENSITY	$\gamma_d$	94.19 PCF
WET DENSITY	$\gamma$	105.48 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.63 CM

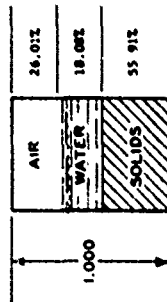


### HYDROSTATIC COMPRESSION PHASE

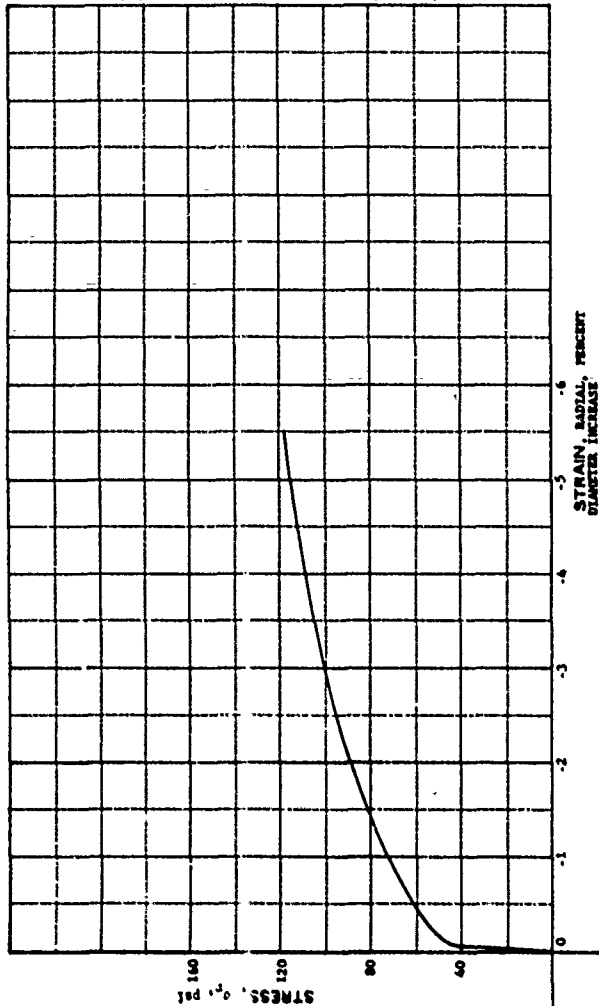


PROJECT		Georgia Institute of Technology, B-602	
		Contract No. DCA39-47-C-0051	
AREA			
BORING NO.	SAMPLE NO.	240	
DEPTH	DATE		
EL			
LL	PL	17	PI 19
DESCRIPTION			
Wachling Mill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 1500 psi			

WATER CONTENT	W	11.98	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	41.01	%
DRY DENSITY	$\gamma_d$	96.19	PCF
WET DENSITY	$\gamma$	105.48	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE



HYDROSTATIC PRESSURE,  $p$ , PSI

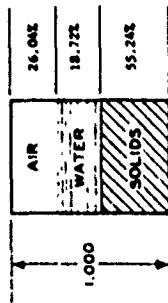
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology 3-402	
		Contract No. DMC39-47-C-0051	
AREA			
BORING NO.	SAMPLE NO.		250
DEPTH	DATE		
EL.	PL	PI	19
DESCRIPTION <u>Washing Mill Clay</u>			
Constant Stress Ratio, 0.4			
Initial Pressure, 1600 psi			

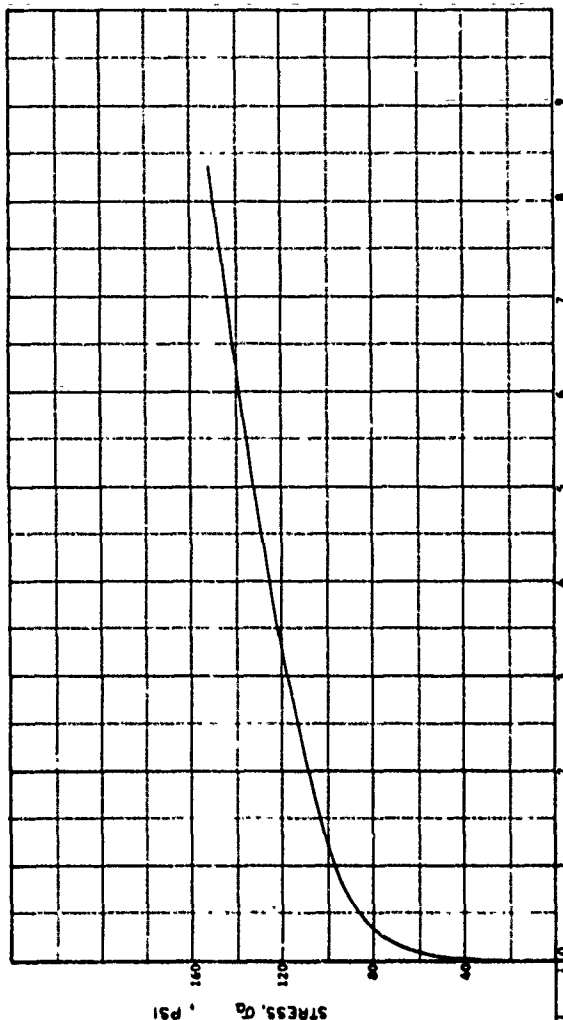
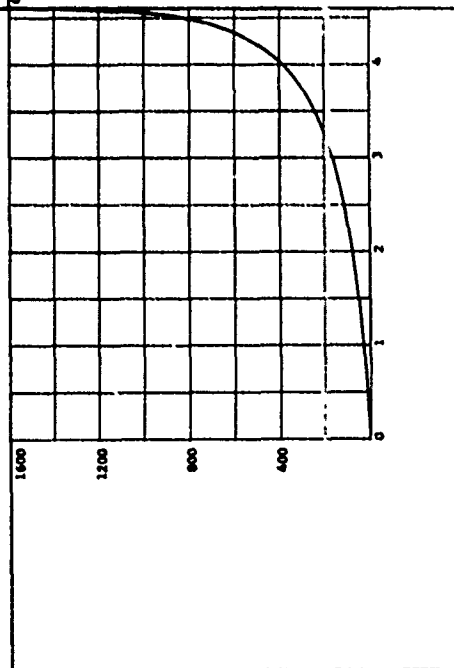


HYDROSTATIC PRESSURE, P, PSI

WATER CONTENT	W	12.56 %
VOID RATIO	$e_0$	0.81
SATURATION	$S_0$	41.84 %
DRY DENSITY	$\gamma_d$	91.06 PCF
WET DENSITY	$\gamma$	104.75 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



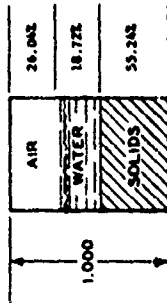
HYDROSTATIC COMPRESSION PHASE



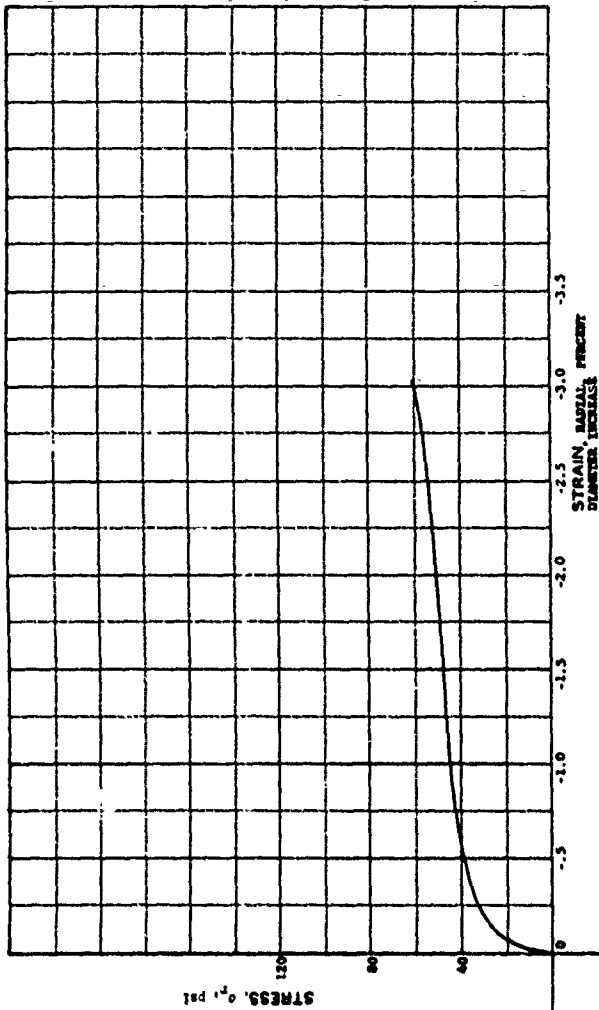
DEVIATOR STRAIN,  $\epsilon_d - \epsilon_p$ , PERCENT  
TRIAXIAL SHEAR PHASE

PROJECT		Georgia Institute of Technology B-402	
		Contract No. DMC39-67-C-0051	
AREA			
BORING NO.	SAMPLE NO. 307		
DEPTH	DATE		
EL			
LL	36	PL	17
		PI	19
DESCRIPTION Matching Mill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 1600 psi			

WATER CONTENT	W	12.56	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_0$	41.84	%
DRY DENSITY	$\gamma_d$	93.06	PCF
WET DENSITY	$\gamma$	106.75	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE

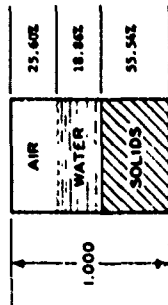


HYDROSTATIC PRESSURE, p, psi

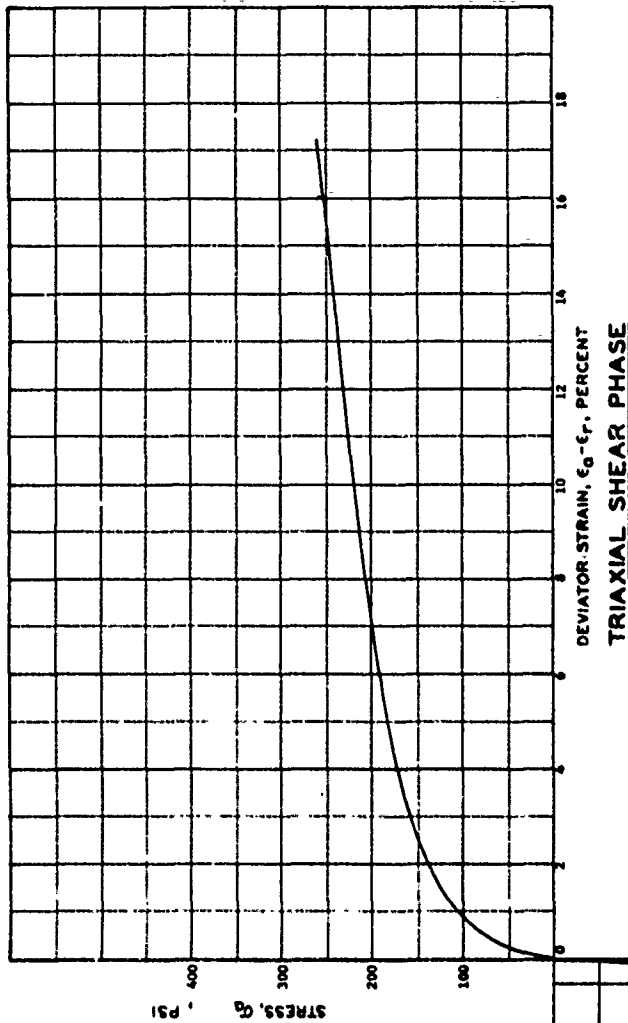
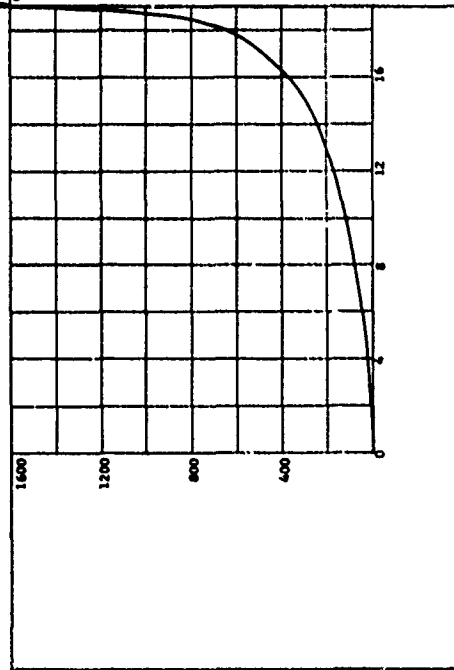
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology E-602			
Contract No. DAC43-67-C-0031			
AREA			
BORING NO.	SAMPLE NO. 307		
DEPTH	DATE		
EL	PL 34	PI 17	PI 19
DESCRIPTION Matching Mill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 1400 psi			

WATER CONTENT	W	12.57 %
VOID RATIO	$e_0$	0.80
SATURATION	$S_0$	42.41 %
DRY DENSITY	$\gamma_d$	93.57 PCF
WET DENSITY	$\gamma$	105.34 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



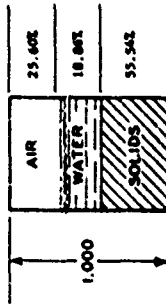
### HYDROSTATIC COMPRESSION PHASE



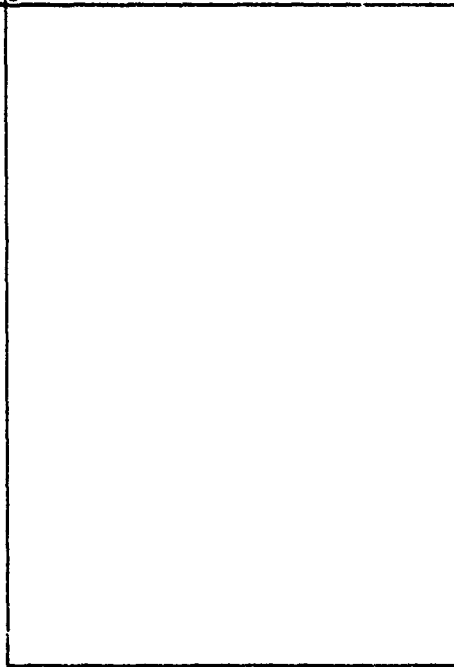
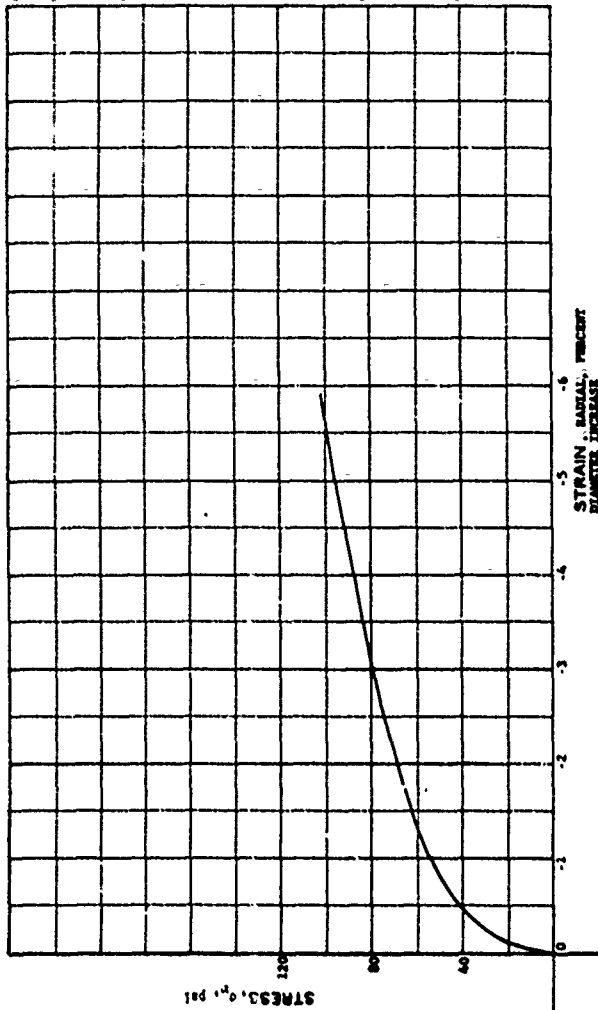
### TRIAxIAL SHEAR PHASE

PROJECT Georgia Institute of Technology B-602			
CONTRACT NO. DMC39-67-C-0031			
AREA		SAMPLE NO. 329	
BORING NO.	DEPTH	DATE	
LL	36	PL	17
DESCRIPTION		PL 19	
Matching Hill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 1600 psi			

WATER CONTENT	W	12.37	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	62.61	%
DRY DENSITY	$\gamma_d$	93.37	PCF
WET DENSITY	$\gamma$	105.34	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE

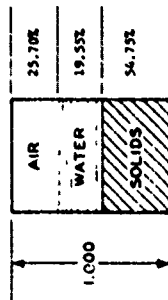


HYDROSTATIC PRESSURE,  $p$ , PSI

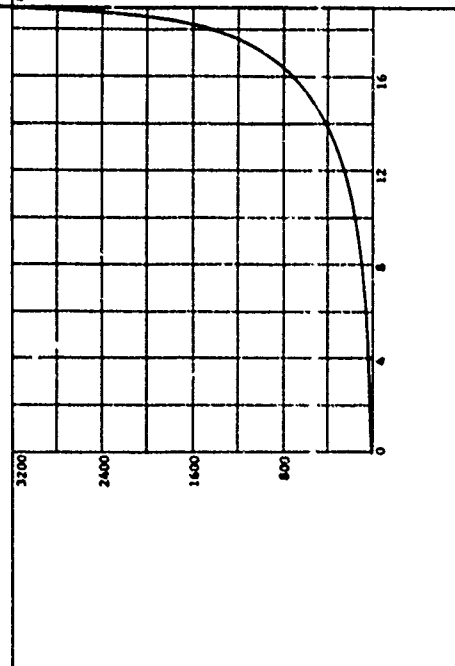
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology, B-602	
		Contract No. DMCAS-67-C-0031	
AREA			
BORING NO.	179		
DEPTH		DATE	
EL		PL	PI
LL	36	PL	17
DESCRIPTION		Batching Hill Clay	
		Constant Stress Ratio, 0.4	
		Initial Pressure, 1600 psi	

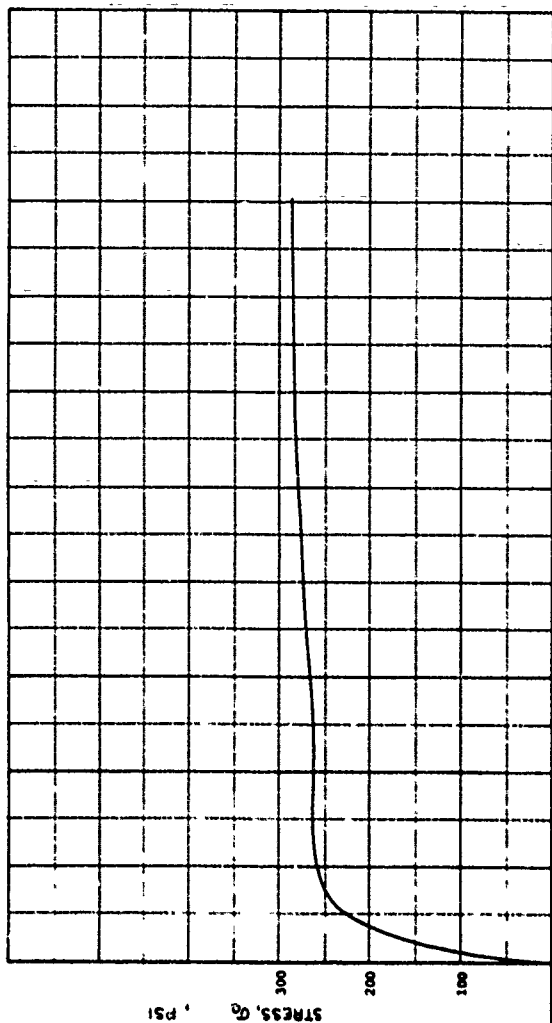
WATER CONTENT	W	13.22 %
VOID RATIO	$e_0$	0.83
SATURATION	$S_0$	63.20 %
DRY DENSITY	$\gamma_d$	92.25 PCF
WET DENSITY	$\gamma$	104.45 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.57 CM
SPECIMEN HEIGHT	$H_0$	7.36 CM



### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

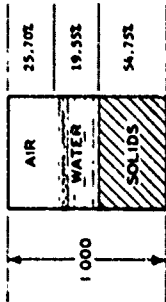


### TRIAXIAL SHEAR PHASE

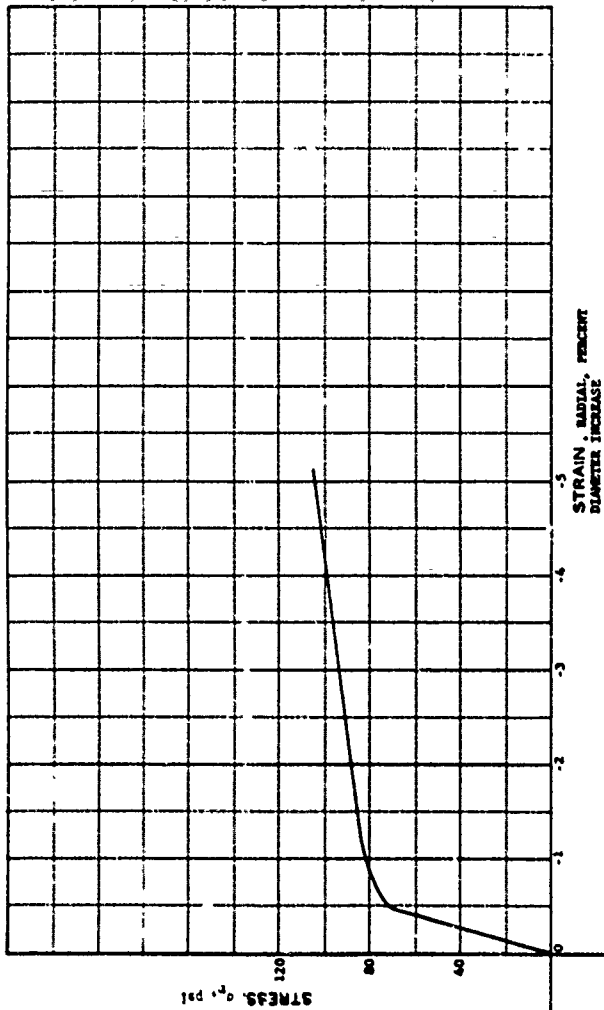
PROJECT		Georgia Institute of Technology B-402	
		Contract No. DCAU9-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	303	
DEPTH	DATE		
LL	PL	PI	19
DESCRIPTION Matching Mill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 3200 psi			

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	13.22 %
VOID RATIO	$e_0$	0.83
SATURATION	$S_0$	43.20 %
DRY DENSITY	$\gamma_d$	92.25 PCF
WET DENSITY	$\gamma$	104.43 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.57 CM
SPECIMEN HEIGHT	$H_0$	7.34 CM



### HYDROSTATIC COMPRESSION PHASE

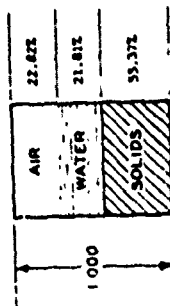


HYDROSTATIC PRESSURE,  $p$ , PSI

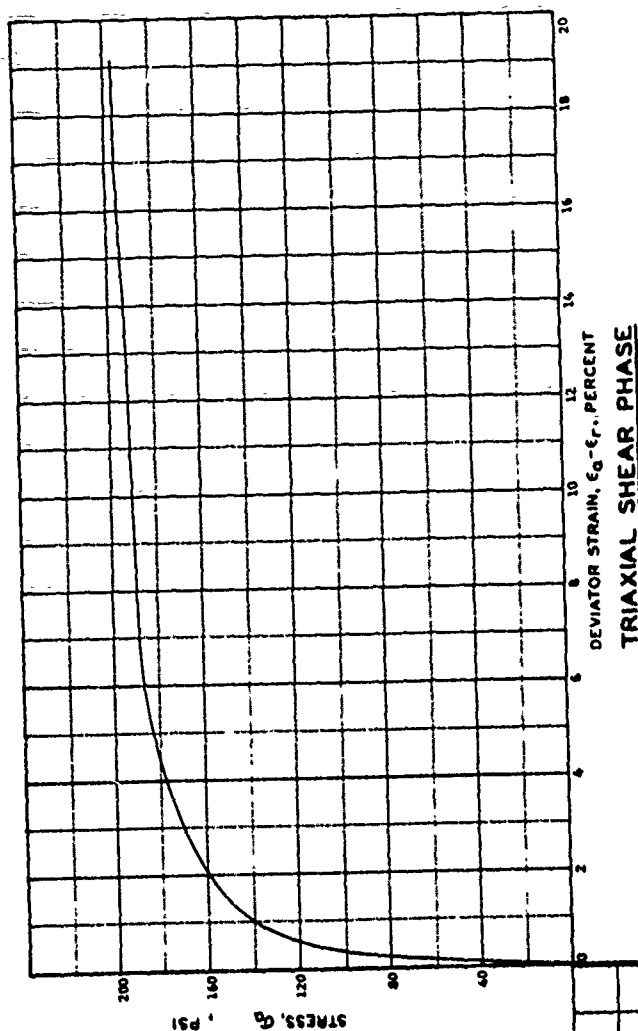
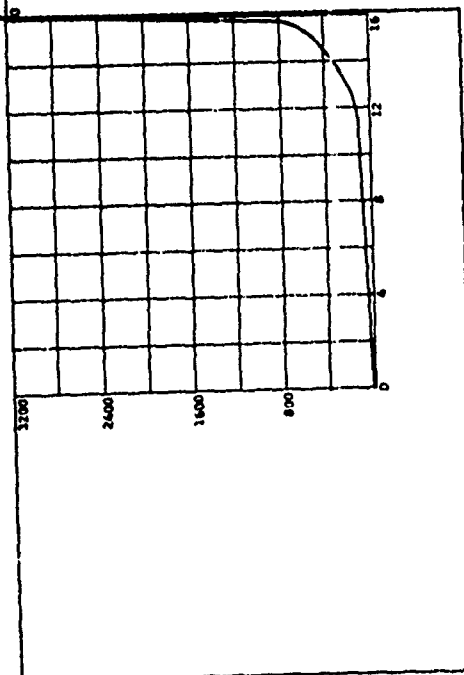
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology B-622	
		Contract No. DMC39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	303	
DEPTH	DATE		
EL			
LL	36	PL	17
		PI	19
DESCRIPTION			
Matching Mill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 2100 psi			

WATER CONTENT	W	14.59	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_0$	48.86	%
DRY DENSITY	$\gamma_d$	93.29	PCF
WET DENSITY	$\gamma$	106.90	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



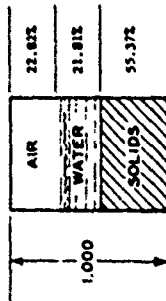
### HYDROSTATIC COMPRESSION PHASE



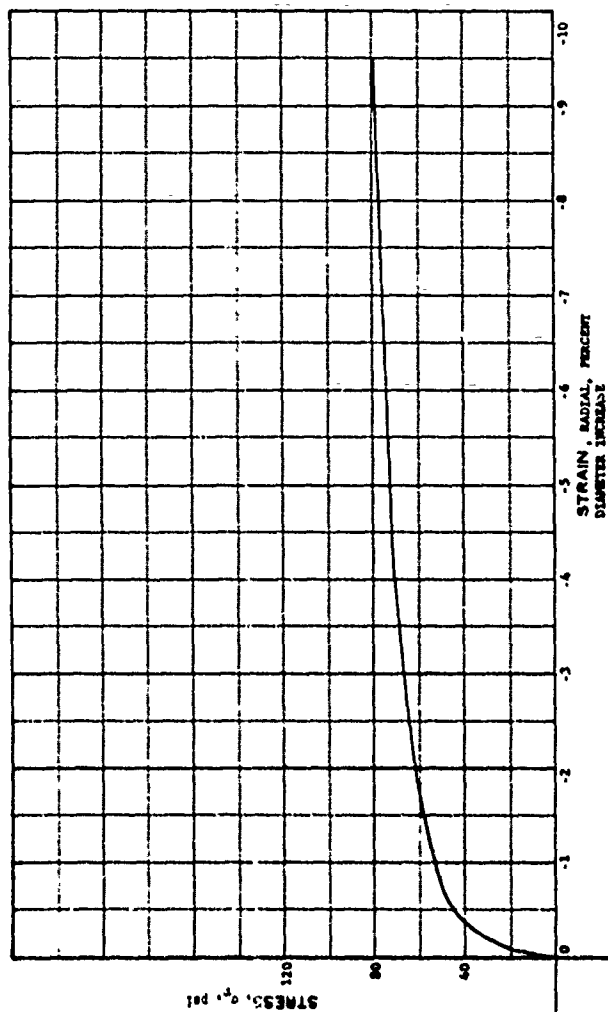
### TRIAxIAL SHEAR PHASE

PROJECT		Georgia Institute of Technology 3-602	
		Contract No. DMC39-67-C-0051	
AREA		SAMPLE NO.	308
BORING NO.		DATE	
DEPTH		PL	17
EL.		PI	19
DESCRIPTION Matching Mill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 3200 psi			

WATER CONTENT	W	14.39 %
VOID RATIO	$e_0$	0.81
SATURATION	$S_0$	48.84 %
DRY DENSITY	$\gamma_d$	90.29 PCF
WET DENSITY	$\gamma$	106.90 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



### HYDROSTATIC COMPRESSION PHASE



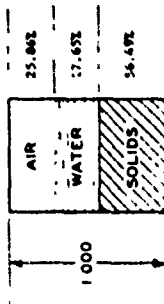
HYDROSTATIC PRESSURE, p, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology B-602	
		Contract No. DCA39-47-C-0051	
AREA			
SAMPLING NO.		SAMPLE NO. J-3	
DEPTH		DATE	
LL	36	PL	17
		PI	19
DESCRIPTION Matching Mill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 3200 psi			



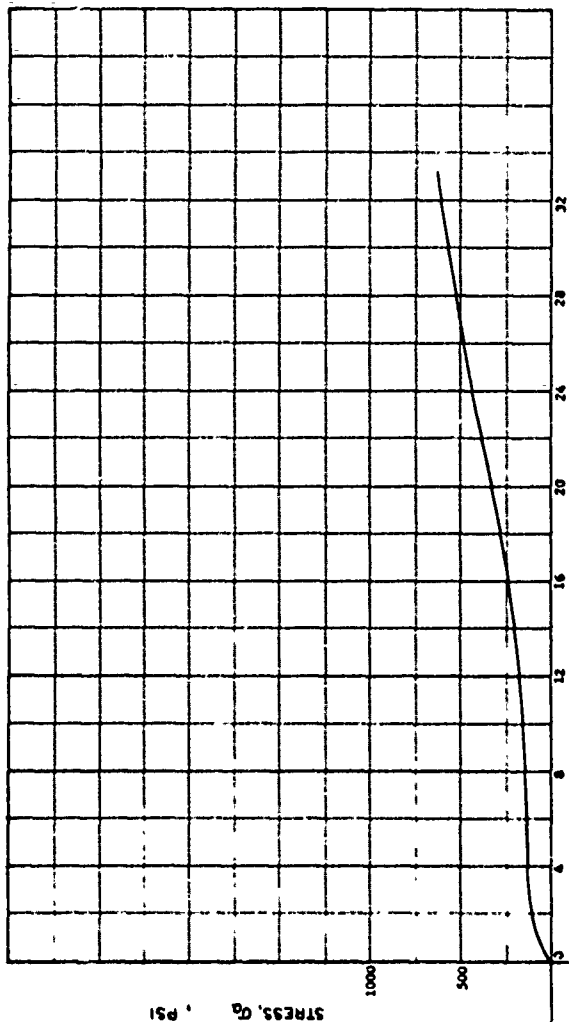
WATER CONTENT	W	11.37	%
VOID RATIO	$e_0$	0.77	
SATURATION	$S_0$	40.37	%
DRY DENSITY	$\gamma$	93.18	PCF
WET DENSITY	$\gamma$	106.19	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.48	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE

HYDROSTATIC PRESSURE,  $p$ , PSI

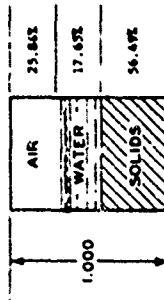
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



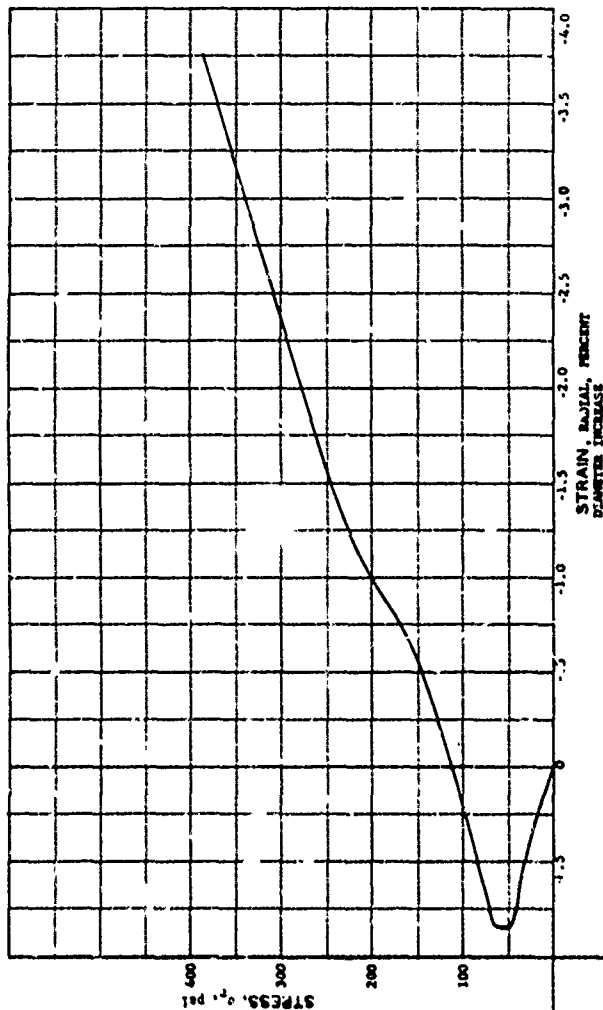
### TRIAXIAL SHEAR PHASE

PROJECT Georgia Institute of Technology B-402			
Contract No. DMC39-67-C-0051			
AREA		SAMPLE NO. 248	
BORING NO.	DEPTH	DATE	
EL	PL 36	PL 17	PL 19
DESCRIPTION Matching Mill. Clay			
Constant Stress Ratio, 0.6			
Initial Pressure, 0 psi			

WATER CONTENT	W	11.57 %
VOID RATIO	$e_0$	0.77
SATURATION	$S_c$	40.57 %
DRY DENSITY	$\gamma_d$	95.18 PCF
WET DENSITY	$\gamma$	106.19 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.48 CM
SPECIMEN HEIGHT	$H_0$	7.63 CM



### HYDROSTATIC COMPRESSION PHASE

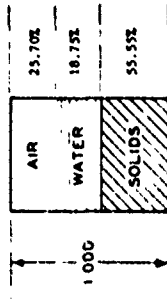


HYDROSTATIC PRESSURE,  $p$ , PSI

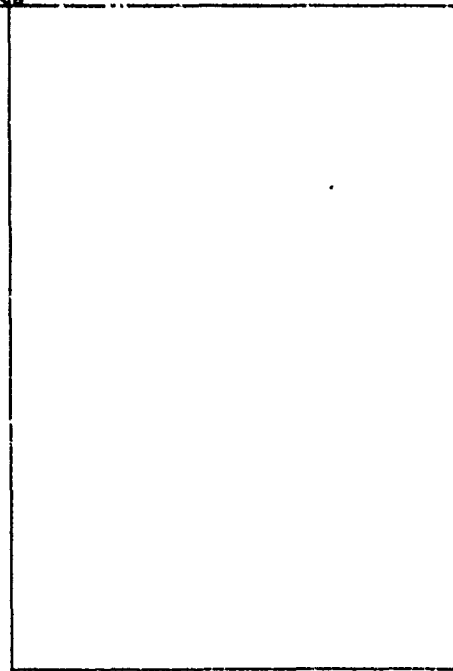
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology E-602	
		Contract No. DMC39-67-C-0051	
AREA			
BORING NO.	SAMPLE NO. 248		
DEPTH	DATE		
EL			
LL 36	PL 17	PI 19	
DESCRIPTION			
Watchdog Hill Clay			
Constant Stress Ratio, 0.6			
Initial Pressure, 0 psi			

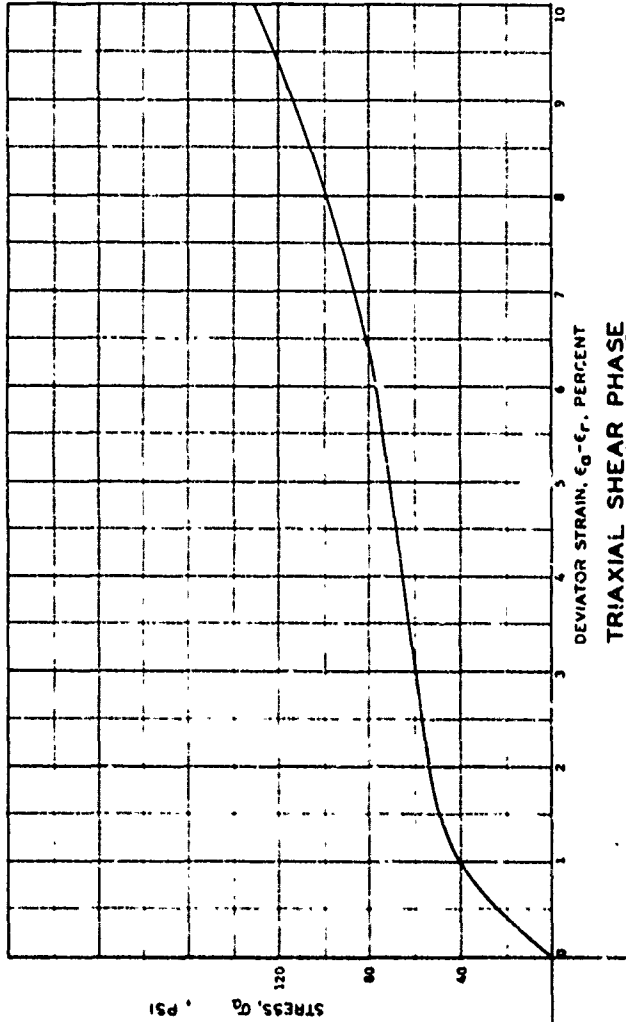
WATER CONTENT	W	12.50	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	42.18	%
DRY DENSITY	$\gamma_d$	93.39	PCF
WET DENSITY	$\gamma$	105.29	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

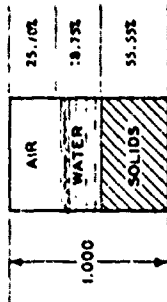


### TRIAxIAL SHEAR PHASE

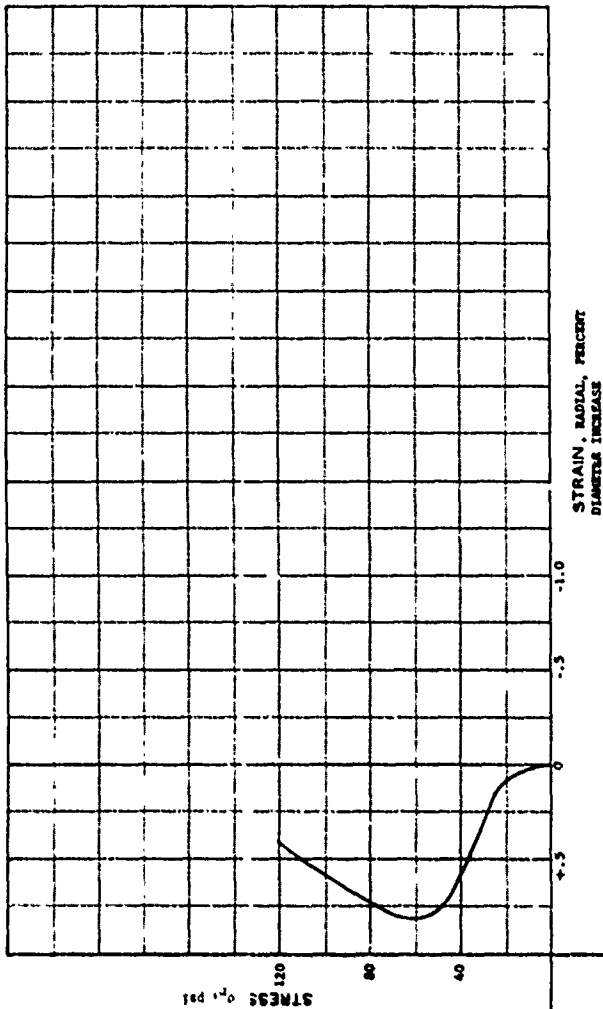
PROJECT		Georgia Institute of Technology 4-602	
		Contract No. DMDA32-67-C-0031	
AREA			
BORING NO.	SAMPLE NO. 286		
DEPTH	DATE		
EL			
LL 36	PL 17	PI 19	
DESCRIPTION Matching Hill Clay			
Constant Stress Ratio, 0.6			
Initial Pressure, 0 psi			

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	12.50 %
VOID RATIO	$e_0$	0.80
SATURATION	$S_0$	42.18 %
DRY DENSITY	$\gamma_d$	99.58 PCF
WET DENSITY	$\gamma$	108.29 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



# HYDROSTATIC COMPRESSION PHASE

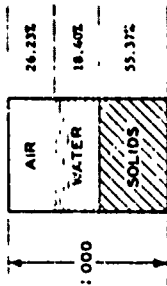


HYDROSTATIC PRESSURE, P, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology E-602	
		Contract No. DCA39-47-C-0051	
AREA			
BORING NO.	SAMPLE NO.	26	
DEPTH	DATE		
EL			
LL	PL	17	PI 19
DESCRIPTION			
Washing Mill Clay			
Constant Stress Ratio, 0.6			
Initial Pressure, 0 psi			

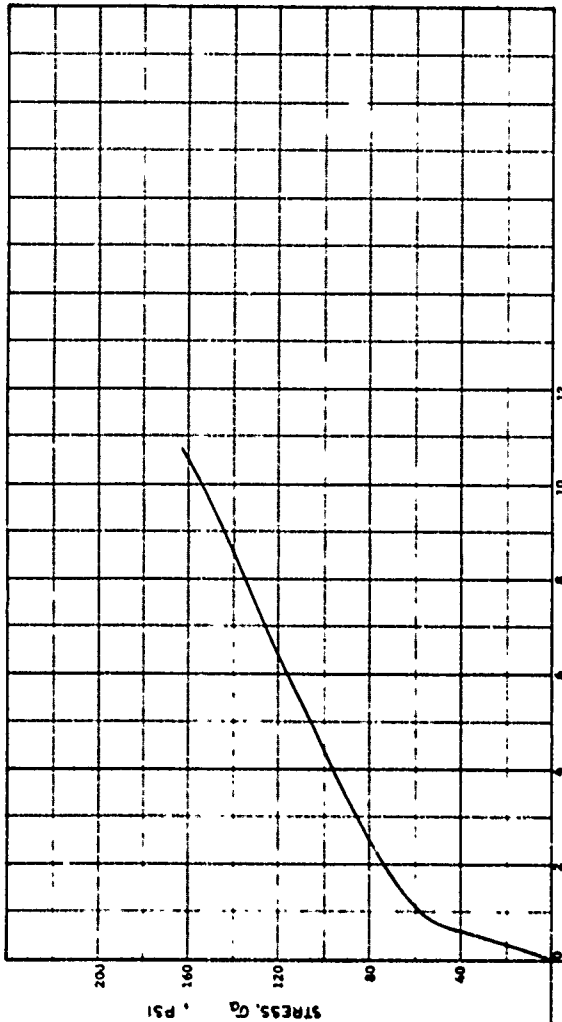
WATER CONTENT	W	12.31 %
VOID RATIO	$e_0$	0.81
SATURATION	$S_0$	41.23 %
DRY DENSITY	$\gamma_s$	93.29 PCF
WET DENSITY	$\gamma$	104.78 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.63 CM



### HYDROSTATIC COMPRESSION PHASE

HYDROSTATIC PRESSURE,  $p$ , PSI

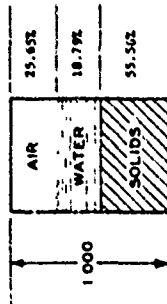
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



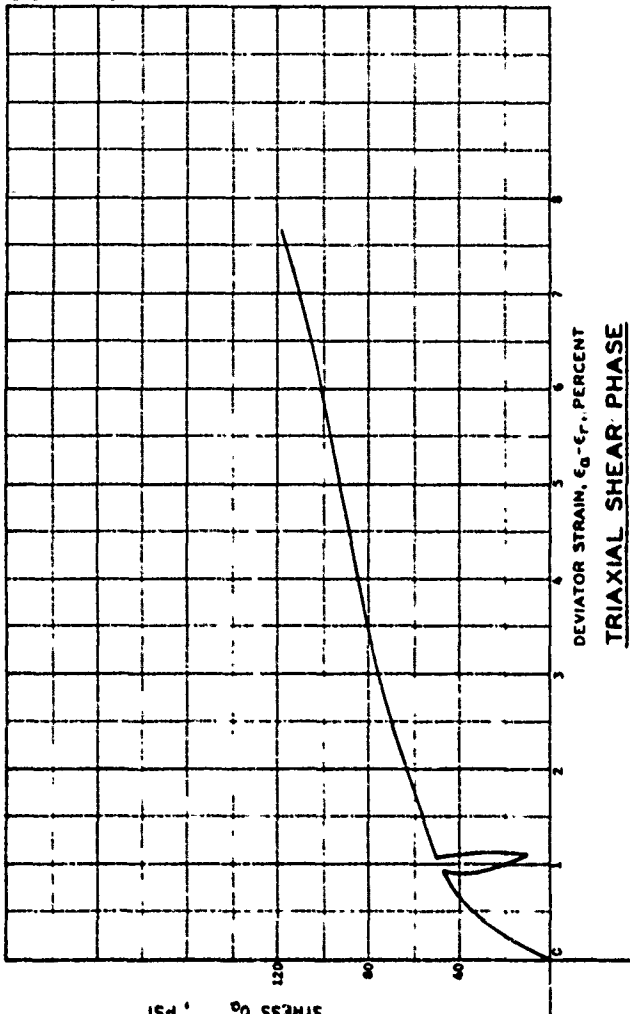
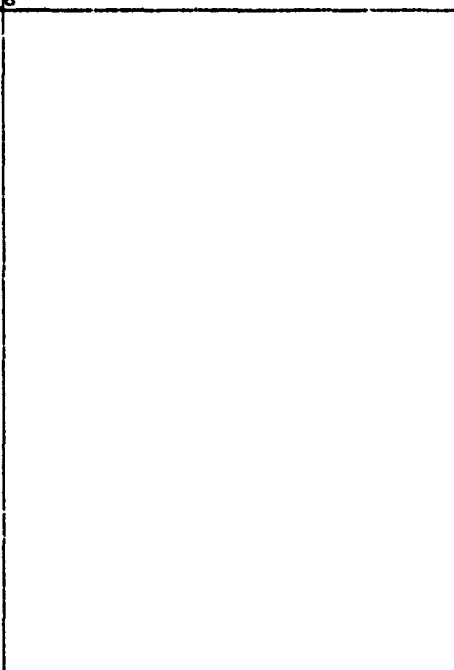
### TRIAxIAL SHEAR PHASE

PROJECT		Georgia Institute of Technology 8-402	
		Contract No. DMCJ9-67-C-0051	
AREA	BORING NO.	SAMPLE NO.	267
DEPTH	DATE		
LL	36	PL	17
		PI	19
DESCRIPTION			
Watching Hill Clay.			
Constant Stress Ratio, 0.6			
Initial Pressure, 0 psi			

WATER CONTENT	W	12.52	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	42.26	%
DRY DENSITY	$\gamma_d$	93.60	PCF
WET DENSITY	$\gamma$	105.32	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.6	CM



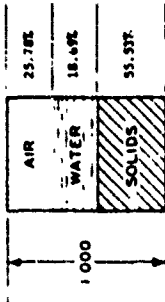
### HYDROSTATIC COMPRESSION PHASE



HYDROSTATIC PRESSURE,  $p$ , PSI

PROJECT Georgia Institute of Technology B-402			
Contract No. DMC39-47-C-0031			
AREA			
BORING NO.	SAMPLE NO. 344		
DEPTH	DATE		
EL.	PL 36	PL 17	PI 19
DESCRIPTION Matching Mill Clay			
Constant Stress Ratio, 0.6			
Triaxial Pressure, 0 psi; Cycle Shear @ 375			

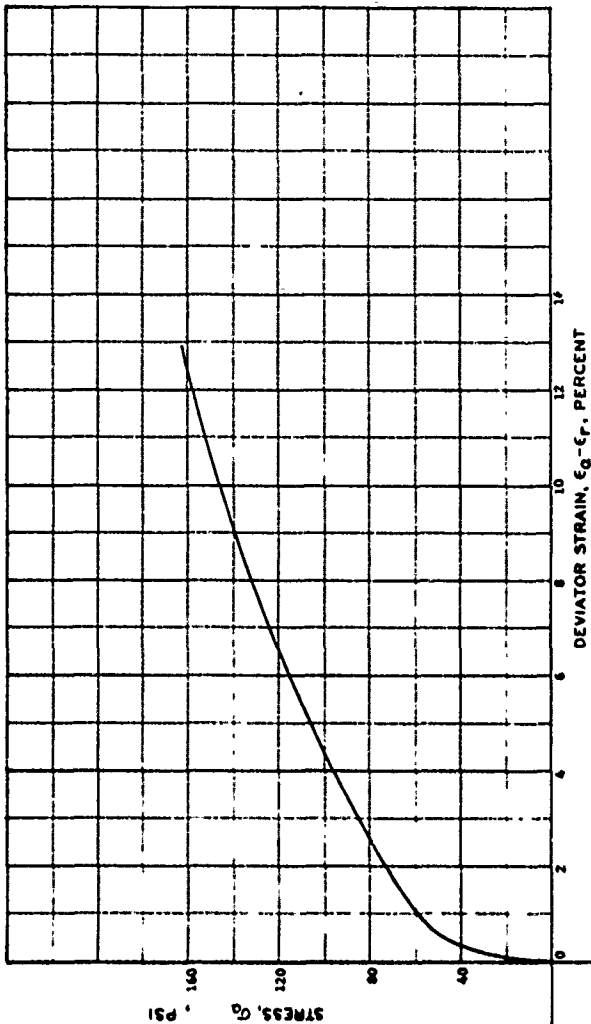
WATER CONTENT	W	12.47	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	42.04	%
DRY DENSITY	$\gamma_d$	93.57	PCF
WET DENSITY	$\gamma$	105.23	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE

HYDROSTATIC PRESSURE,  $p$ , PSI

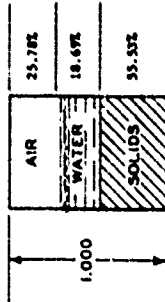
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



### TRIAXIAL SHEAR PHASE

PROJECT Georgia Institute of Technology B-602			
Contract No. DAC49-67-C-0051			
AREA			
BORING NO.	SAMPLE NO. 348		
DEPTH	DATE		
EL.			
LL 36	PL 17	PI 19	
DESCRIPTION Watchdog Hill Clay			
Constant Stress Ratio, 0.6			
Initial Pressure, 0 psi			

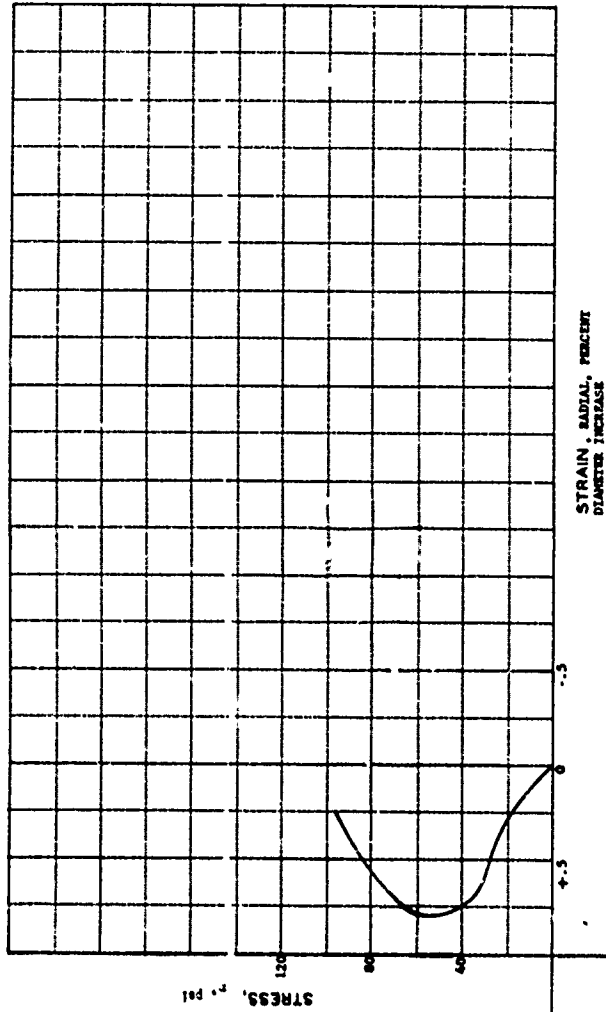
WATER CONTENT	W	12.47	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	42.04	%
DRY DENSITY	$\gamma_d$	93.57	PCF
WET DENSITY	$\gamma$	105.23	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.50	CM



### HYDROSTATIC COMPRESSION PHASE

HYDROSTATIC PRESSURE, P, PSI

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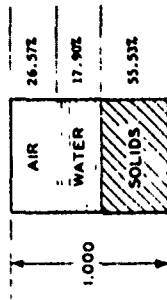
STRAIN, RADIAL, PERCENT  
DIAMETER INCREASE

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

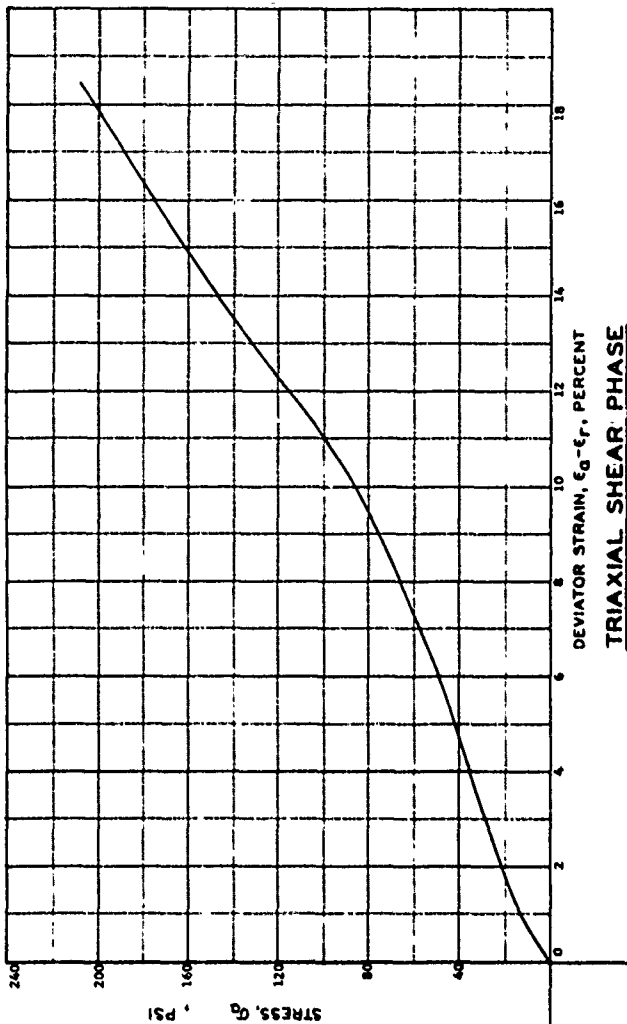
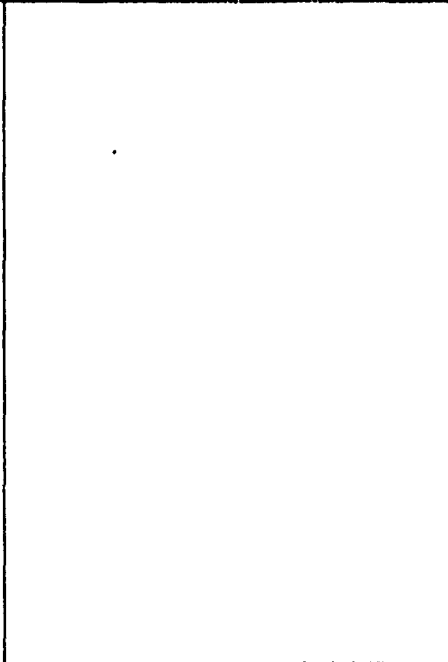
PROJECT Georgia Institute of Technology B-602			
Contract No. DACW39-67-C-0051			
AREA			
BORING NO.	SAMPLE NO. 348		
DEPTH	DATE		
EL	36	PL 17	P1 19
DESCRIPTION Matching Hill Clay			
Constant Stress Ratio, 0.4			
Initial Pressure, 0 psi			



WATER CONTENT	W	11.93	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	40.24	%
DRY DENSITY	$\gamma_d$	93.56	PCF
WET DENSITY	$\gamma$	104.72	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.59	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE

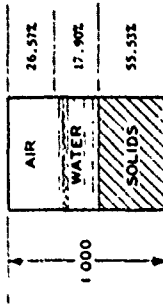


### TRIAxIAL SHEAR PHASE

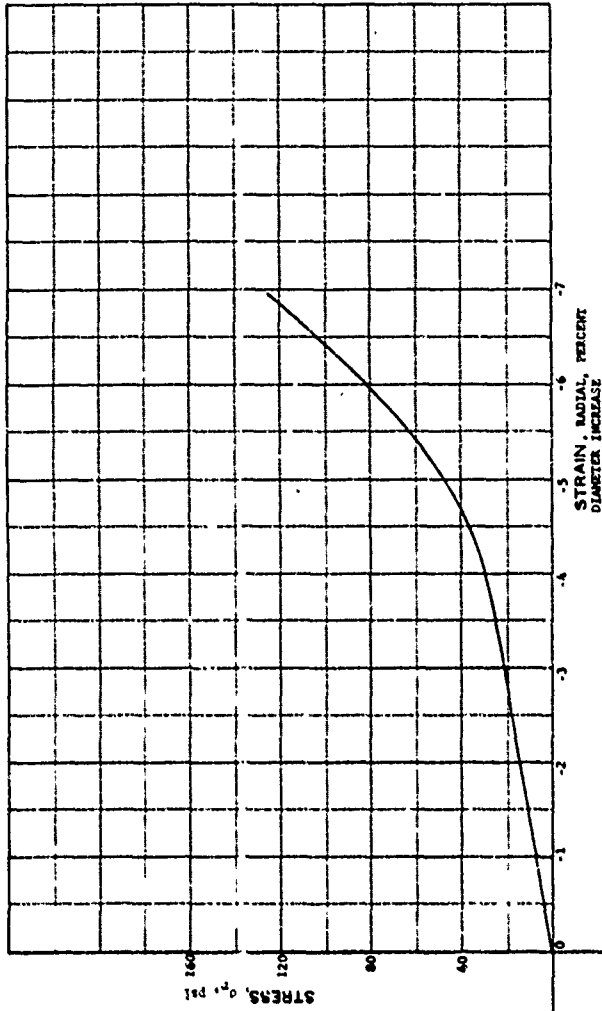
PROJECT Georgia Institute of Technology B-602			
Contract No. DMCAS-67-C-0051			
AREA		SAMPLE NO. 294	
BORING NO.	DEPTH	DATE	
EL	PL	PL	PL
LL	36	17	19
DESCRIPTION Washing Hill Clay			
Constant Stress Ratio, 0.6			
Initial Pressure, 100 psi			

HYDROSTATIC PRESSURE, p, PSI

WATER CONTENT	W	11.93 %
VOID RATIO	$e_0$	0.80
SATURATION	$S_0$	40.24 %
DRY DENSITY	$\gamma_d$	93.56 PCF
WET DENSITY	$\gamma$	104.72 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.6° CM



### HYDROSTATIC COMPRESSION PHASE

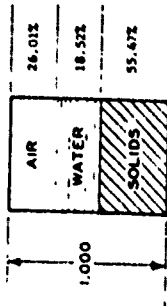


HYDROSTATIC PRESSURE,  $p$ , PSI

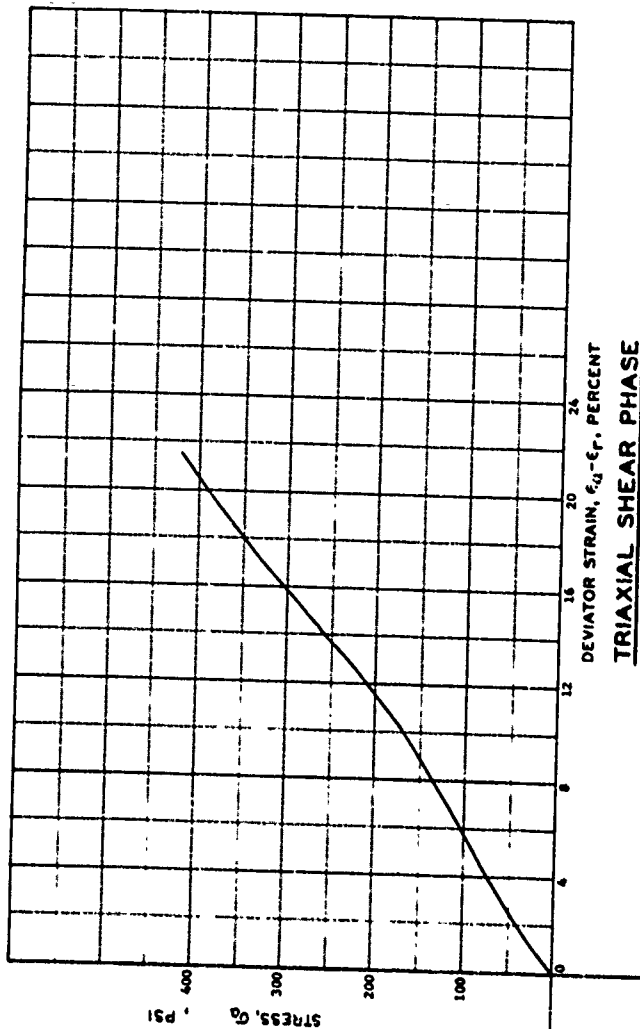
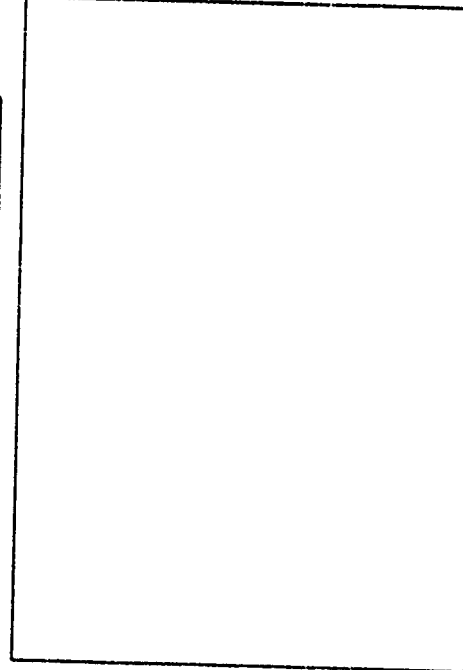
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology, B-502	
		Contract No. DMC39-67-C-0051	
AREA			
BOILING NO	SAMPLE NO		
DEPTH	DATE		
EL		PL	PI
LL	36	17	19
DESCRIPTION Watchings Hill Clay			
Constant Stress Ratio, 0.6			
Initial Pressure, 100 psi			

WATER CONTENT		W	12.37 %
VOID RATIO		$e_0$	0.80
SATURATION		$S_0$	61.61 %
DRY DENSITY		$\gamma_d$	98.45 PCF
WET DENSITY		$\gamma$	105.01 PCF
SPECIFIC GRAVITY		$G_s$	2.76
SPECIMEN DIAMETER		$D_0$	3.49 CM
SPECIMEN HEIGHT		$H_0$	7.62 CM

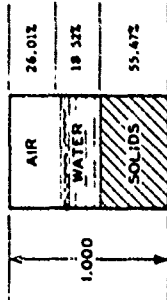


### HYDROSTATIC COMPRESSION PHASE

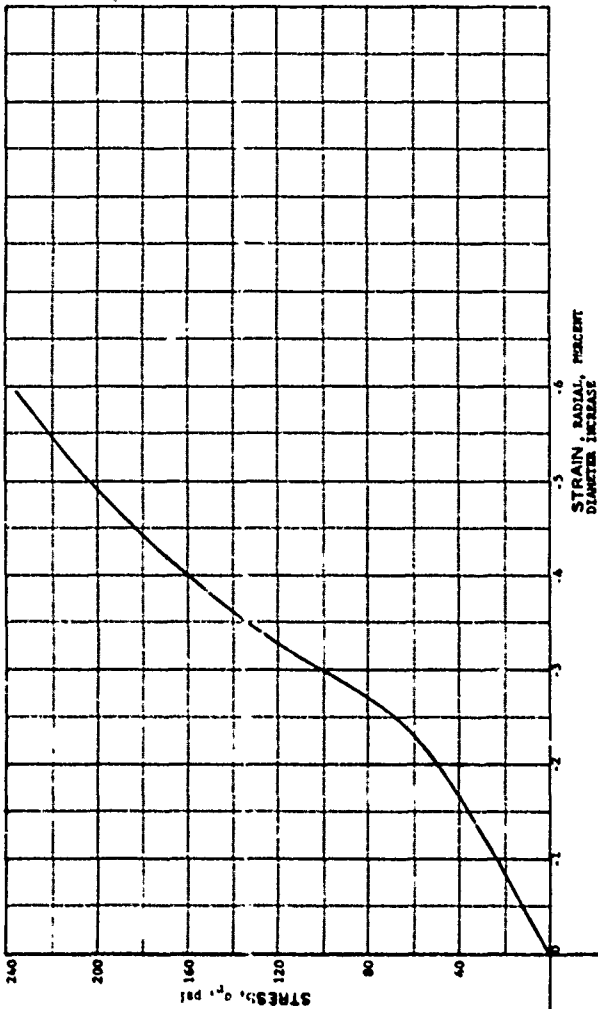


PROJECT <u>Georgia Institute of Technology B-602</u>			
Contract No. <u>DCA39-67-C-0031</u>			
AREA		SAMPLE NO. <u>304</u>	
BORING NO.	DEPTH	DATE	
LL <u>36</u>	PL <u>17</u>	PI <u>19</u>	
DESCRIPTION <u>Matching Hill Clay</u>			
Constant Stress Ratio, <u>0.6</u>			
Initial Pressure, <u>100 psi</u>			

WATER CONTENT	W	12.31	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_R$	41.61	%
DRY DENSITY	$\gamma_d$	93.45	PCF
WET DENSITY	$\gamma$	105.01	PCF
SPECIFIC GRAVITY	$G_s$	2.76	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE

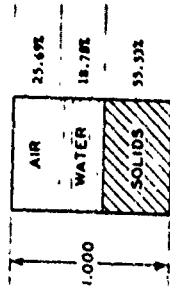


HYDROSTATIC PRESSURE,  $p$ , PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology B-602	
		Contract No. DAC39-67-C-0031	
AREA			
ROOMING NO.		SAMPLE NO.	201
DEPTH		DATE	
EL		PL	17
LL	36	PI	19
DESCRIPTION Watchdog Hill Clay			
Constant Stress Ratio, 0.6			
Initial Pressure, 100 psi			

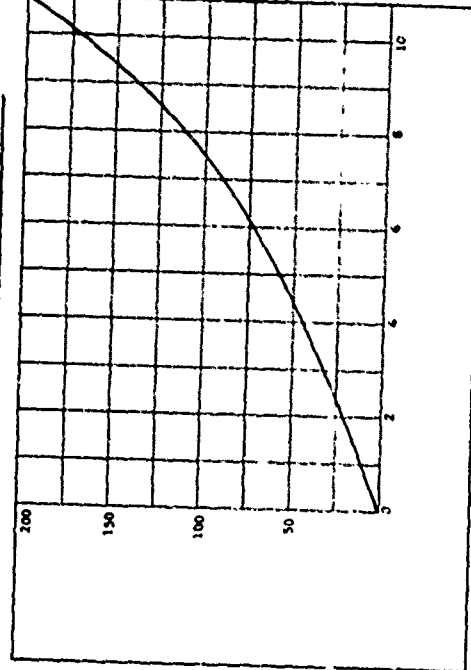
WATER CONTENT		W	12.53	%
VOID RATIO		$e_0$	0.80	
SATURATION		$S_0$	42.24	%
DRY DENSITY		$\gamma$	93.54	PCF
WET DENSITY		$\gamma$	105.28	PCF
SPECIFIC GRAVITY		$G_s$	2.70	
SPECIMEN DIAMETER		$D_0$	3.49	CM
SPECIMEN HEIGHT		$H_0$	7.62	CM



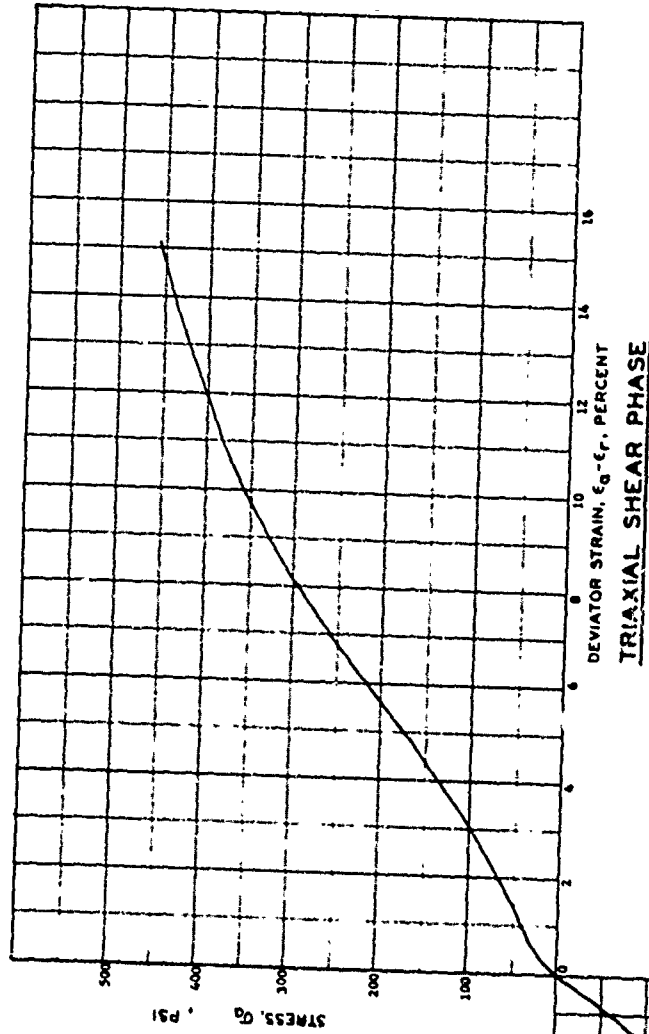
289

HYDROSTATIC PRESSURE,  $p$ , PSI

### HYDROSTATIC COMPRESSION PHASE



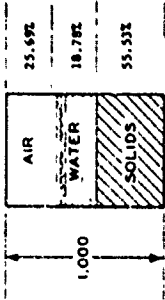
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



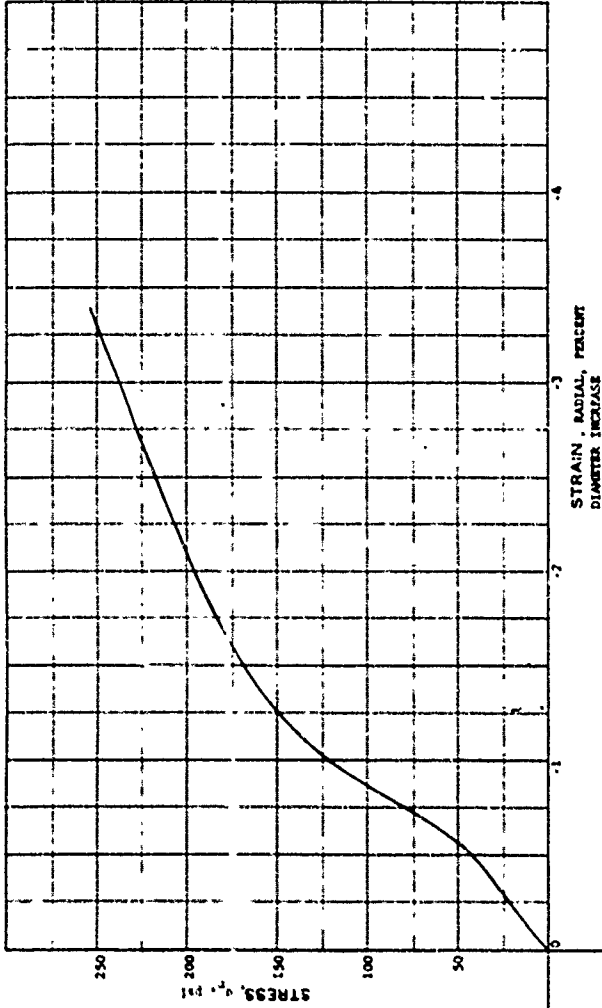
### TRIAxIAL SHEAR PHASE

PROJECT: Georgia Institute of Technology B-602			
Contract No. DMC39-67-C-0051			
A4LA		SAMPLE NO. 300	
BORING NO.		DATE	
DEPTH	EL.	PL	PI
LL	36	PL	17
DESCRIPTION: Matching Mill Clay			
Constant Stress Ratio, 0.6			
Initial Pressure, 200 psi			

WATER CONTENT	W	12.55	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	42.25	%
DRY DENSITY	$\gamma_d$	93.56	PCF
WET DENSITY	$\gamma$	105.28	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE

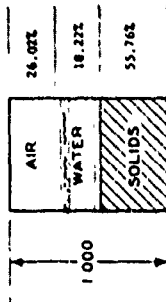


HYDROSTATIC PRESSURE,  $p$ , PSI

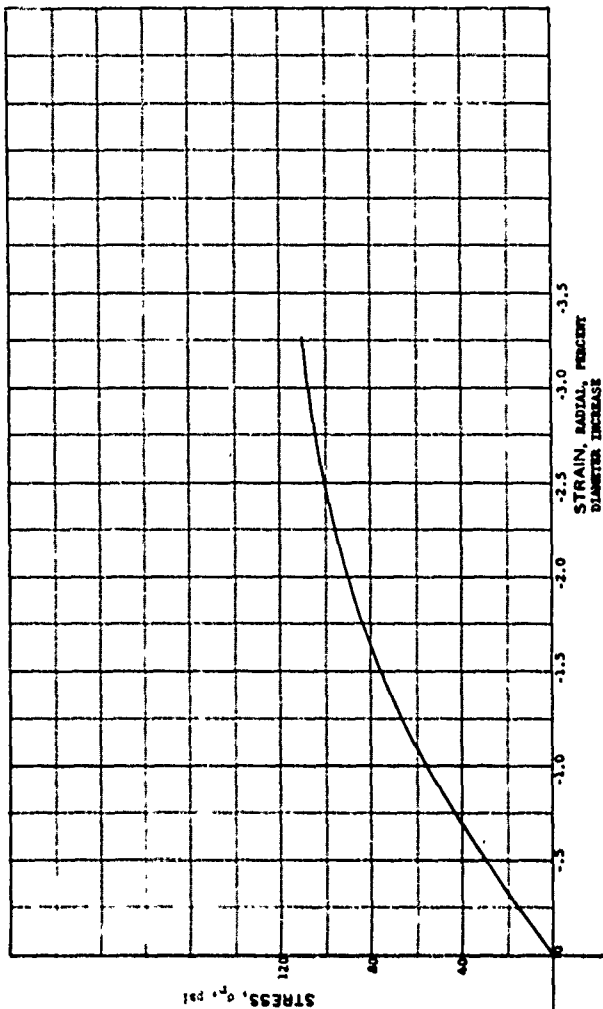
VOLUMETRIC STRAIN,  $\Delta v/v_0$ , PERCENT

PROJECT		Georgia Institute of Technology B-602	
		Contract No. DAC39-57-C-0051	
AREA			
BORING NO.		SAMPLE NO.	300
DEPTH		DATE	
EL.		PL	17
LL	36	PI	19
DESCRIPTION			
Watchdog Hill Clay			
Constant Stress, $\Delta p$ , 0.6			
Initial Pressure, 200 psi			

WATER CONTENT	W	12.11	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	41.19	%
DRY DENSITY	$\gamma_d$	93.94	PCF
WET DENSITY	$\gamma$	105.31	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	5.49	CM
SPECIMEN HEIGHT	$H_0$	7.61	CM



### HYDROSTATIC COMPRESSION PHASE

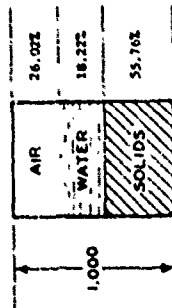


HYDROSTATIC PRESSURE,  $p$ , PSI

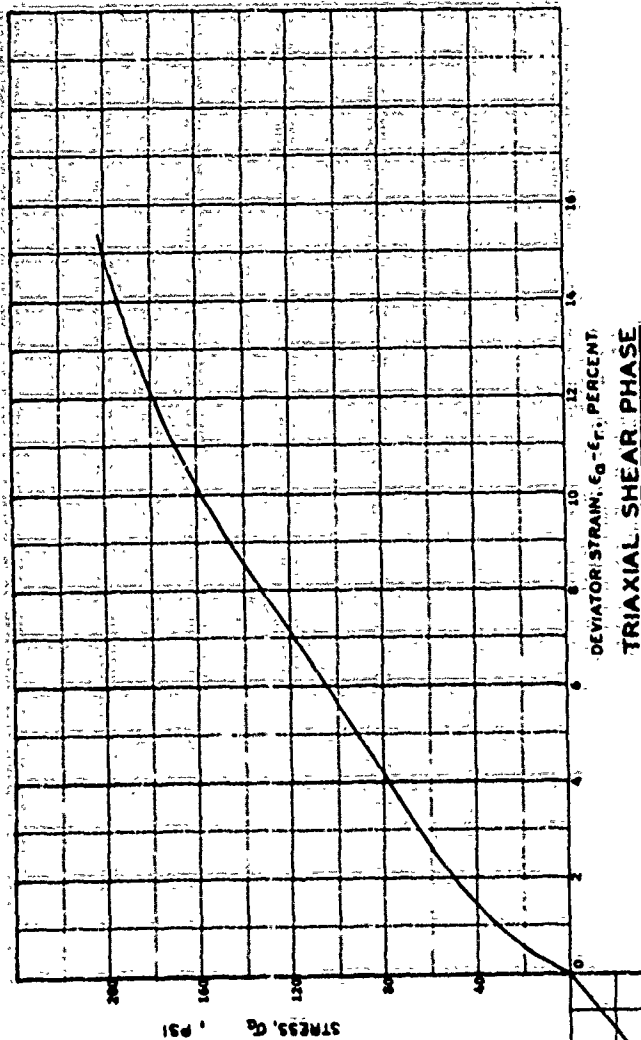
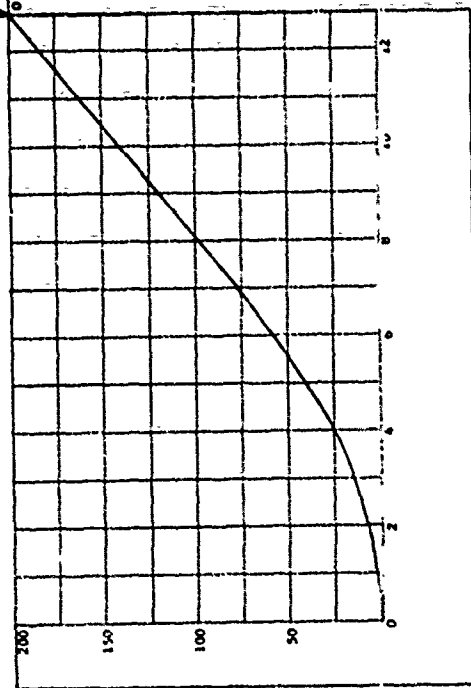
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology, B-402	
Contract No.		DACA39-67-G-0051	
AREA			
BORING NO.	SAMPLE NO.	325	
DEPTH	DATE		
EL	PL	17	PI 19
DESCRIPTION			
Hatching Hill Clay			
Constant Stress Ratio, 0.6			
Initial Pressure, 200 psi			

WATER CONTENT	W	12.11	%
VOID RATIO	$e_0$	0.19	
SATURATION	$S_0$	41.19	%
DRY DENSITY	$\gamma_d$	99.94	PCF
WET DENSITY	$\gamma$	105.31	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.61	CM



### HYDROSTATIC COMPRESSION PHASE



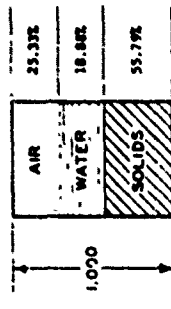
### TRIAxIAL SHEAR PHASE

PROJECT		Georgia Institute of Technology B-602	
CONTRACT NO.		DAG39-67-C-0031	
AREA	BORING NO.	SAMPLE NO.	315
DEPT.	DATE	PI	19
LL	36	PI	17
DESCRIPTION: Matching Mill Clay			
Constant Stress Ratio: 0.6			
Initial Pressure: 200 psi			

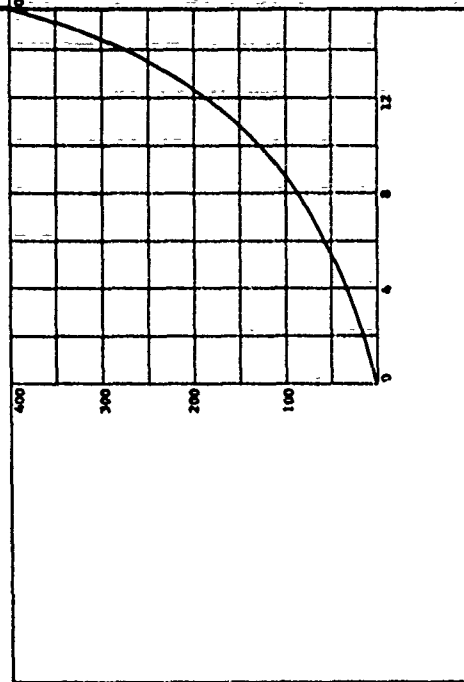
HYDROSTATIC PRESSURE, p, PSI



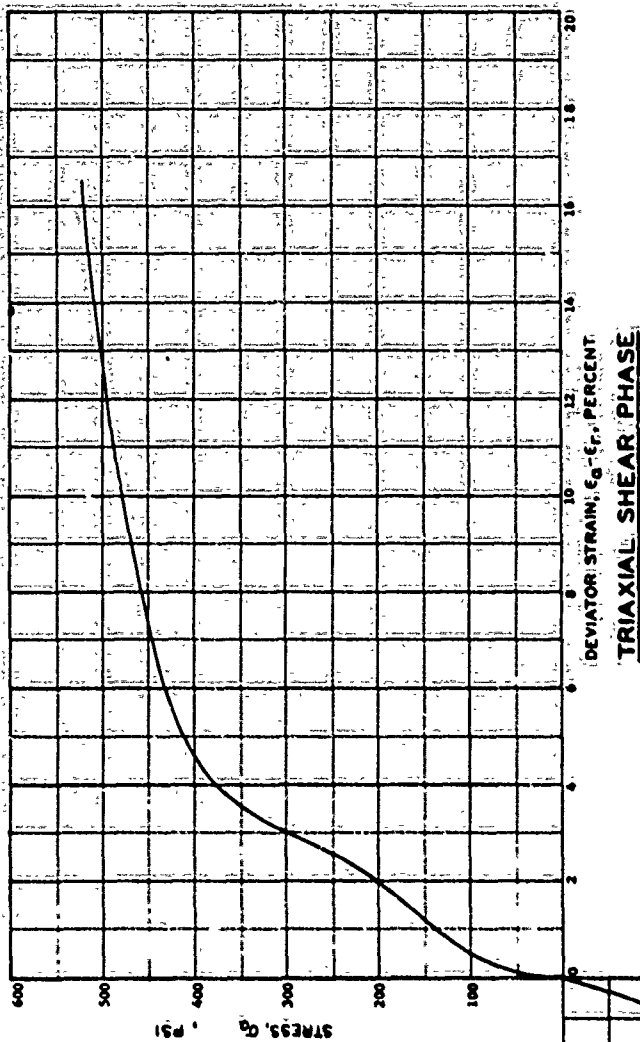
WATER CONTENT	W	12.53 %
VOID RATIO	$e_0$	0.79
SATURATION	$S_0$	42.70 %
DRY DENSITY	$\gamma_d$	94.00 PCF
WET DENSITY	$\gamma$	105.78 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.63 CM



### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

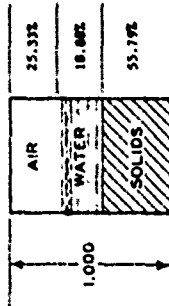


### TRIAxIAL SHEAR PHASE

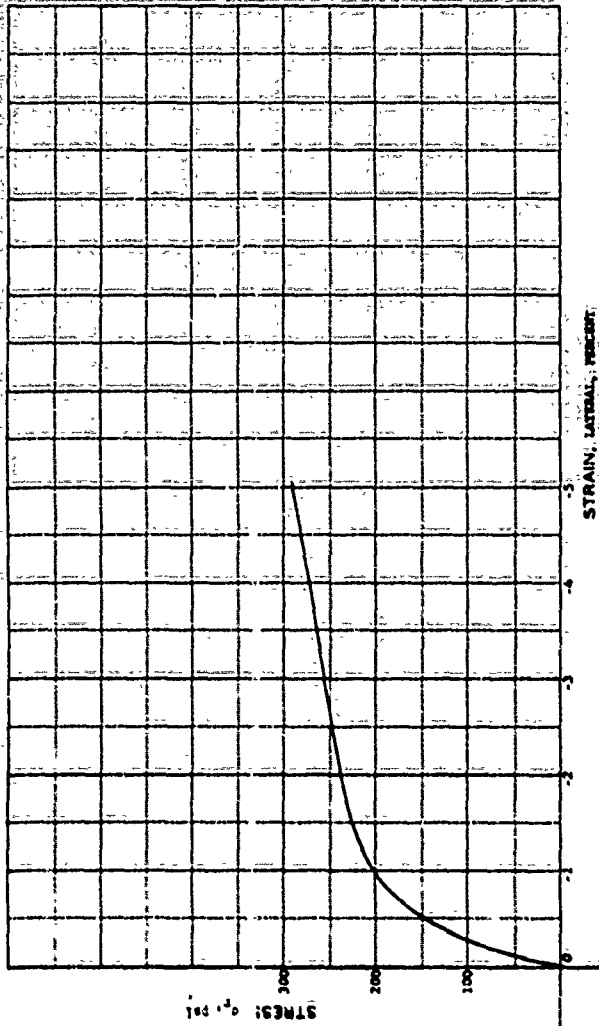
PROJECT		Georgia Institute of Technology B-602	
		Contract No. MCA39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	320	
DEPTH	DATE		
LL	PL	17	PI
19			
DESCRIPTION			
Weathering Hill Clay			
Constant Stress Ratio, 0.5			
Initial Pressure, 400 psi			

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	12.55 %
VOID RATIO	$e_0$	0.79
SATURATION	$S_0$	42.70 %
DRY DENSITY	$\gamma_d$	94.00 PCF
WET DENSITY	$\gamma$	105.78 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.63 CM



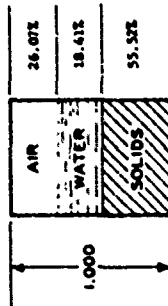
### HYDROSTATIC COMPRESSION PHASE



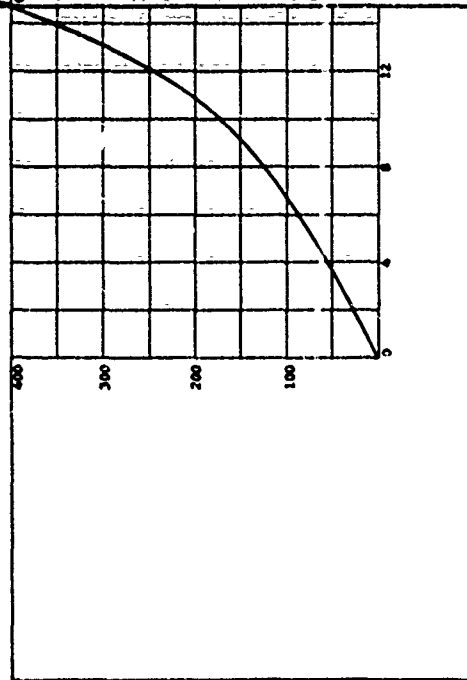
PROJECT: Georgia Institute of Technology 8-602	
Contract No. DMCJ39-67-C-0051	
AREA:	
BORING NO:	SAMPLE NO: 320
DEPTH:	DATE
EL	PL 36 PI 19
DESCRIPTION: Washing Mill Clay	
Constant Stress Ratio, 0.6	
Initial Pressure, 400 psi	

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

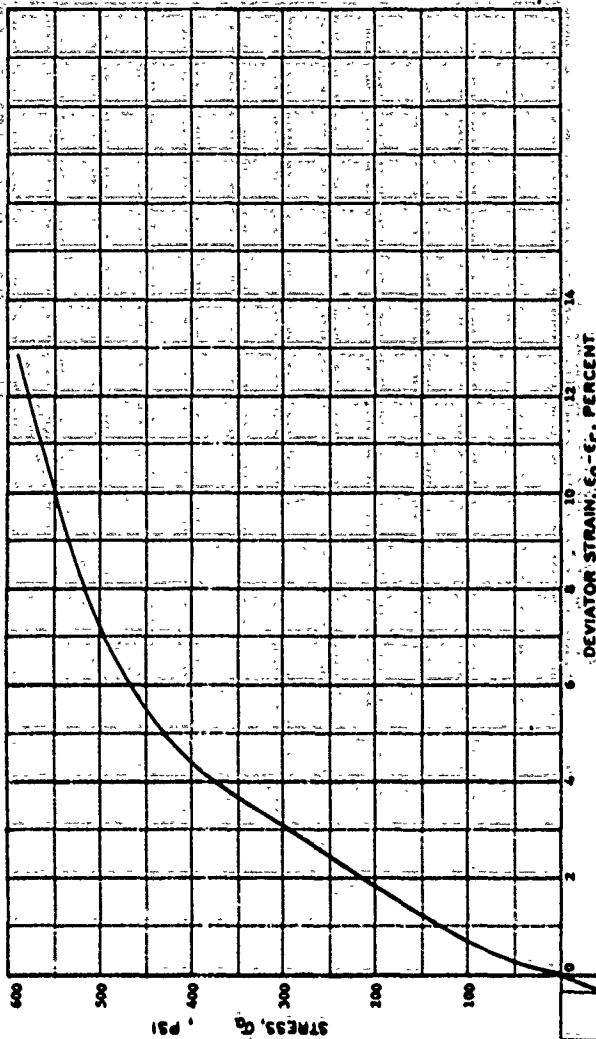
WATER CONTENT	W	12.28 %
VOID RATIO	$e_0$	0.80
SATURATION	$S_0$	41.39 %
DRY DENSITY	$\gamma_d$	99.54 PCF
WET DENSITY	$\gamma$	109.02 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $dv/v_0$ , PERCENT

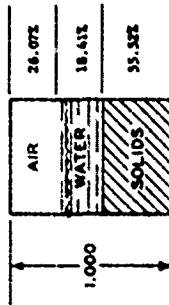


### TRIAxIAL SHEAR PHASE

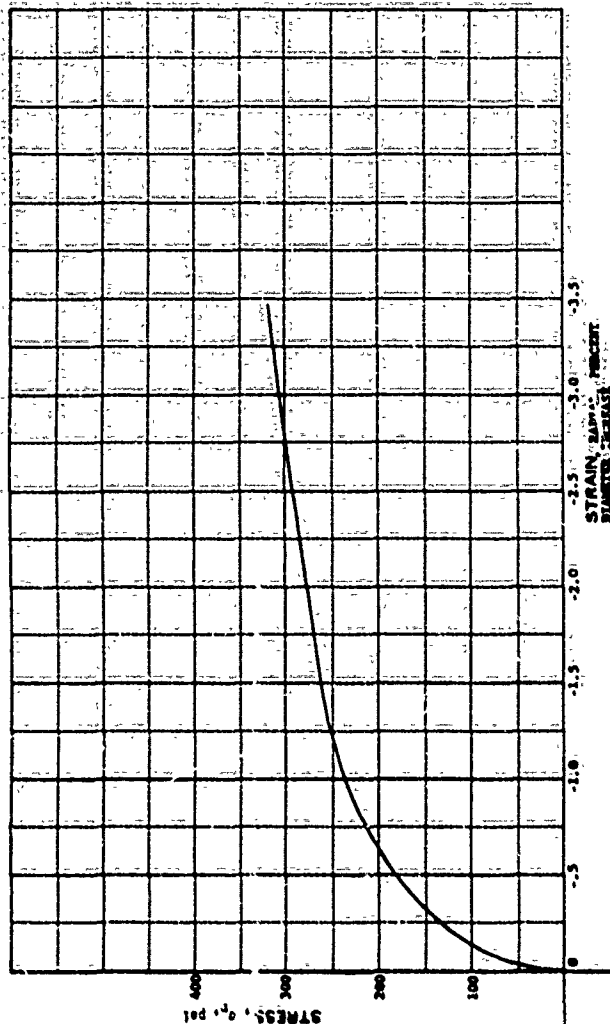
PROJECT Georgia Institute of Technology B-602			
Contract No. N00039-67-C-0051			
AREA		SAMPLE NO. 338	
BORING NO.	DEPTH	DATE	
LL 36	PL 17	PI 19	
DESCRIPTION Bucking Hill Clay			
Constant Stress Ratio, 0.6			
Initial Pressure, 400 psi			

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	12.28 %
VOID RATIO	$e_0$	0.80
SATURATION	$S_r$	41.39 %
DRY DENSITY	$\gamma_d$	99.54 PCF
WET DENSITY	$\gamma$	105.02 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	~ 5.9 CM



# HYDROSTATIC COMPRESSION PHASE

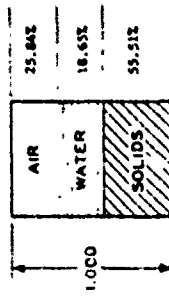


PROJECT		Georgia Institute of Technology B-602	
		Contract No. DMC319-67-C-00311	
AREA			
BORING NO.	SAMPLE NO.		338
DEPTH	DATE		
EL.		PL	17
LL	36	PL	19
DESCRIPTION: Matching Hill Clay			
Constant Stress Ratio, 0.6			
Initial Pressure, 500 psi			

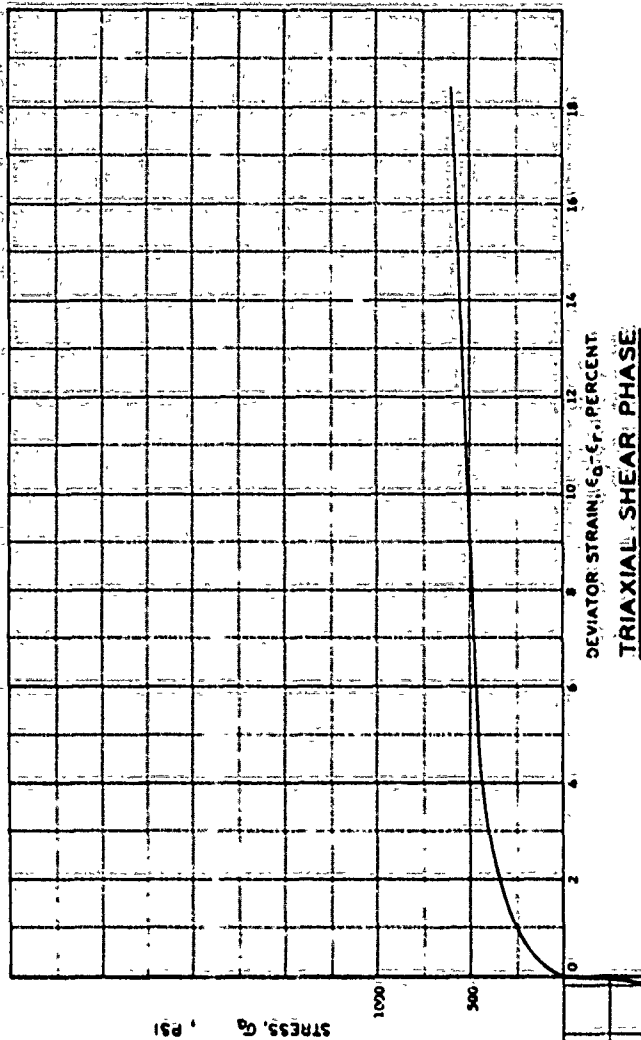
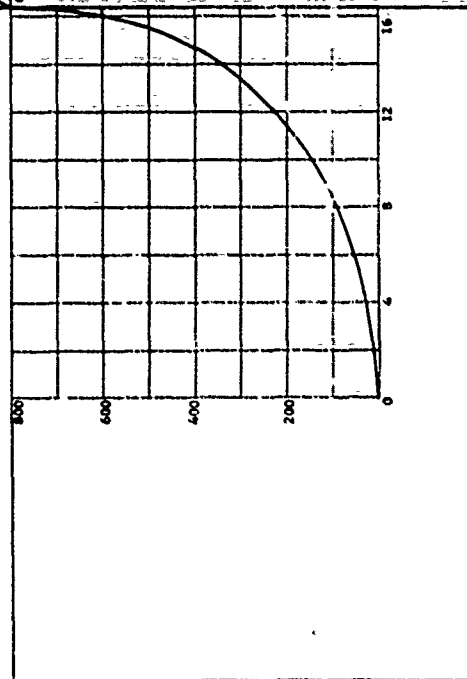
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

HYDROSTATIC PRESSURE, p, PSI

WATER CONTENT	W	12.44 %
VOID RATIO	$e_0$	0.80
SATURATION	$S_0$	41.91 %
DRY DENSITY	$\gamma_d$	99.51 PCF
WET DENSITY	$\gamma$	105.15 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.63 CM



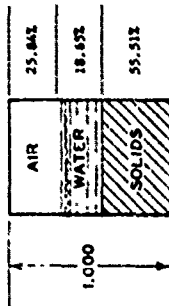
### HYDROSTATIC COMPRESSION PHASE



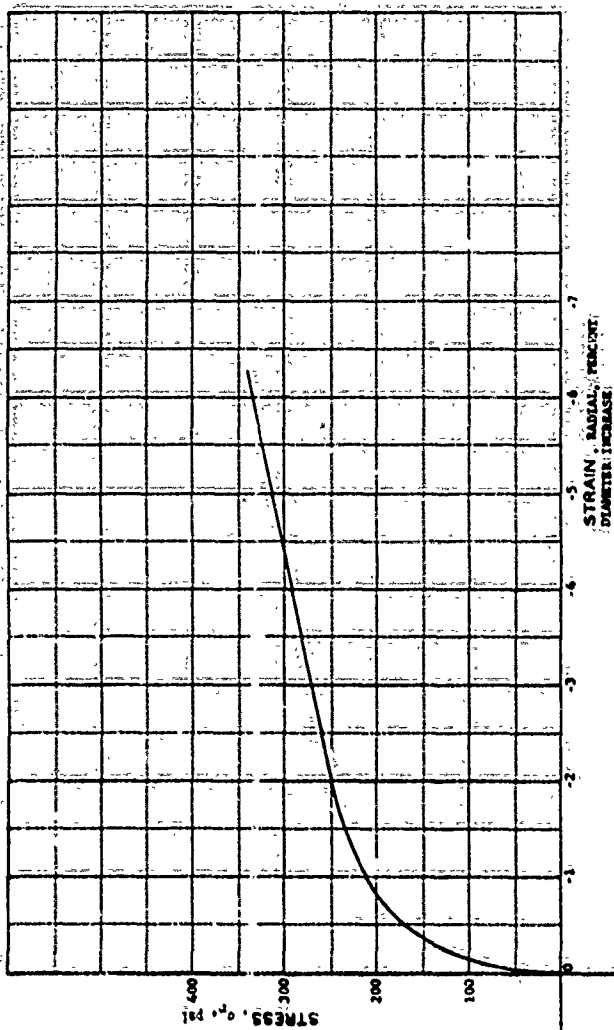
PROJECT: Georgia Institute of Technology B-602	
Contract No. DMCAT-67-C-0031	
AREA	
BORING NO.	SAMPLE NO. 339
DEPTH	DATE
EL.	PL 17
LL 36	PI 19
DESCRIPTION: Matching Mill Clay	
Constant Stress Ratio, 0.6	
Initial Pressure, 800 psi	

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	12.44 %
VOID RATIO	$e_0$	0.80
SATURATION	$S_0$	41.41 %
DRY DENSITY	$\gamma_d$	97.51 PCF
WET DENSITY	$\gamma$	108.15 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.45 CM



### HYDROSTATIC COMPRESSION PHASE

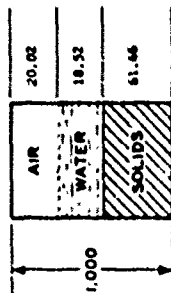


HYDROSTATIC PRESSURE, P, PSI

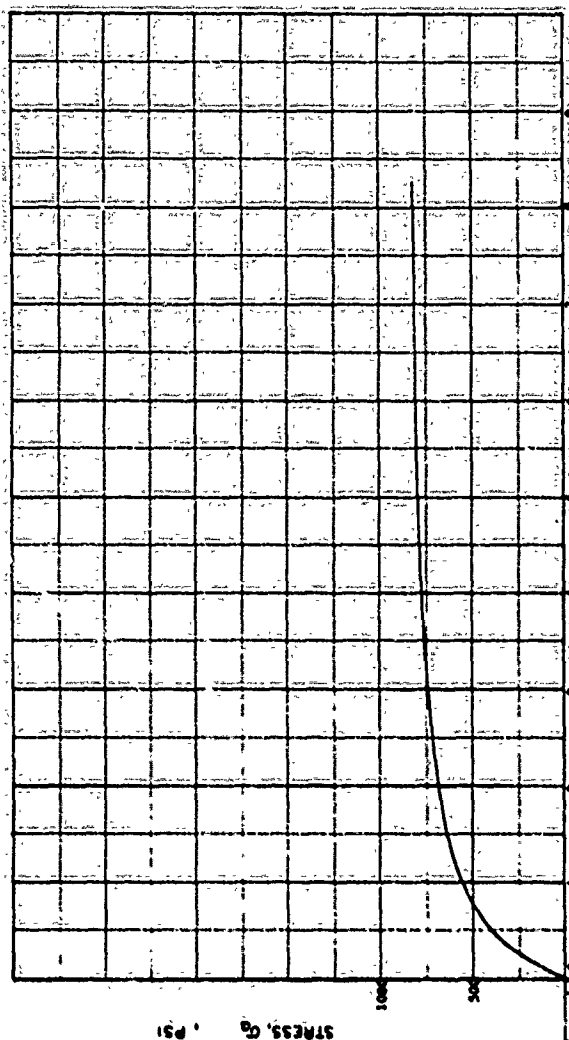
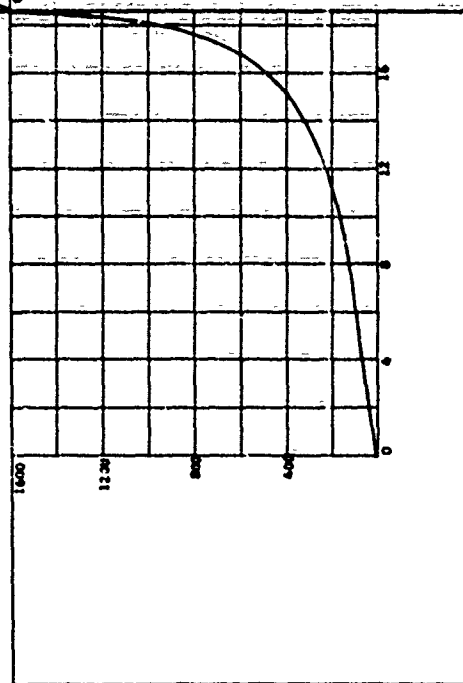
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology 3-682	
		Contract No. MC03-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	339	
DEPTH, EL.	DATE		
LL 36	PL 17	PI 19	
DESCRIPTION: Marching Hill Clay			
Constant Strain Ratio, 0.6			
Initial Pressure, 800 psi			

WATER CONTENT	W	11.16	%
VOID RATIO	$e_0$	0.43	
SATURATION	$S_v$	48.05	%
DRY DENSITY	$\gamma_d$	100.55	PCF
WET DENSITY	$\gamma$	115.10	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.34	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



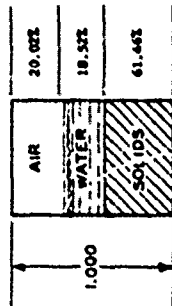
### DEVIATOR STRAIN, $\epsilon_0 - \epsilon_p$ , PERCENT

### TRIAxIAL SHEAR PHASE

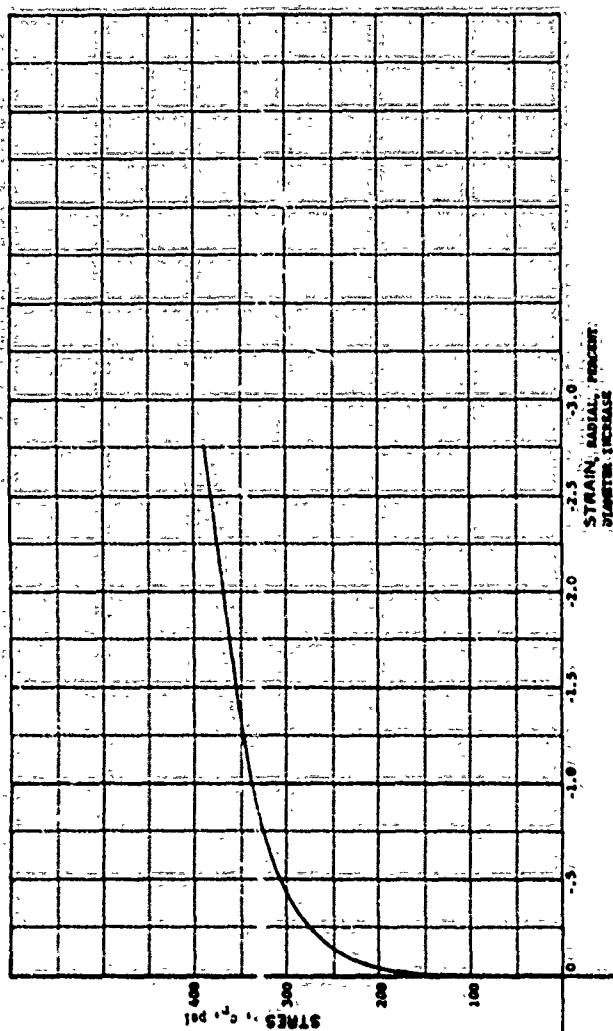
PROJECT: Georgia Institute of Technology 3-602			
Contract No. MCA39-67-C-0051			
AREA	SAMPLE NO. 312	DATE	
BORING NO.	DEPTH	PL 17	PT 19
DESCRIPTION: Metcalf Hill Clay			
Constant Stress Ratio, 0.6			
Initial Pressure, 1000 psi			

HYDROSTATIC PRESSURE,  $P$ , PSI

WATER CONTENT	W	11.16 %
VOID RATIO	$e_0$	0.63
SATURATION	$S_0$	44.05 %
DRY DENSITY	$\gamma_d$	100.55 PCF
WET DENSITY	$\gamma$	115.10 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.34 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



### HYDROSTATIC COMPRESSION PHASE



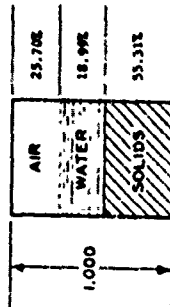
HYDROSTATIC PRESSURE, P, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

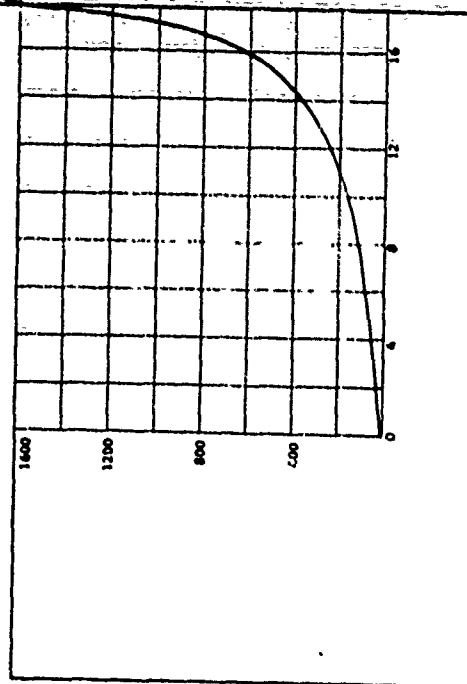
PROJECT Georgia Institute of Technology 3-502			
Contract No. BAC319-47-C-0051			
AREA		SAMPLE NO. 312	
BORING NO.	DATE	PL	PL
DEPTH		17	19
EL			
DESCRIPTION Switching Mill Clay			
Constant Strain Ratio, 0.6			
Initial Pressure, 1600 psi			



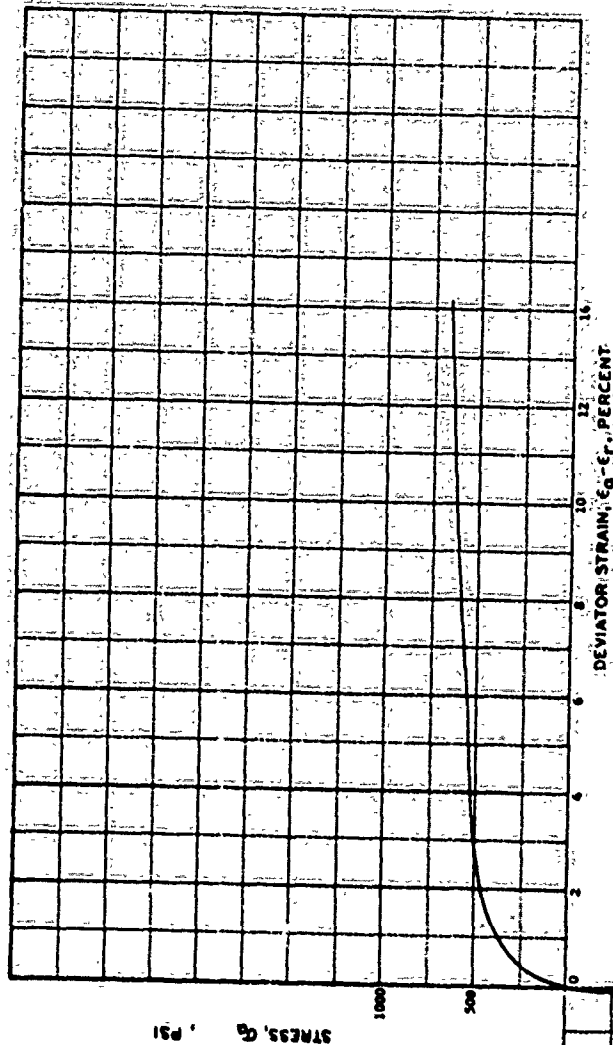
WATER CONTENT	W	12.21	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_0$	42.48	%
DRY DENSITY	$\gamma$	90.19	PCF
WET DENSITY	$\gamma$	105.02	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

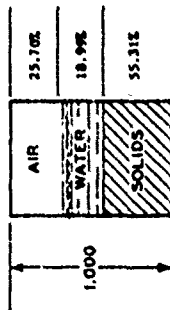


### TRIAxIAL SHEAR PHASE

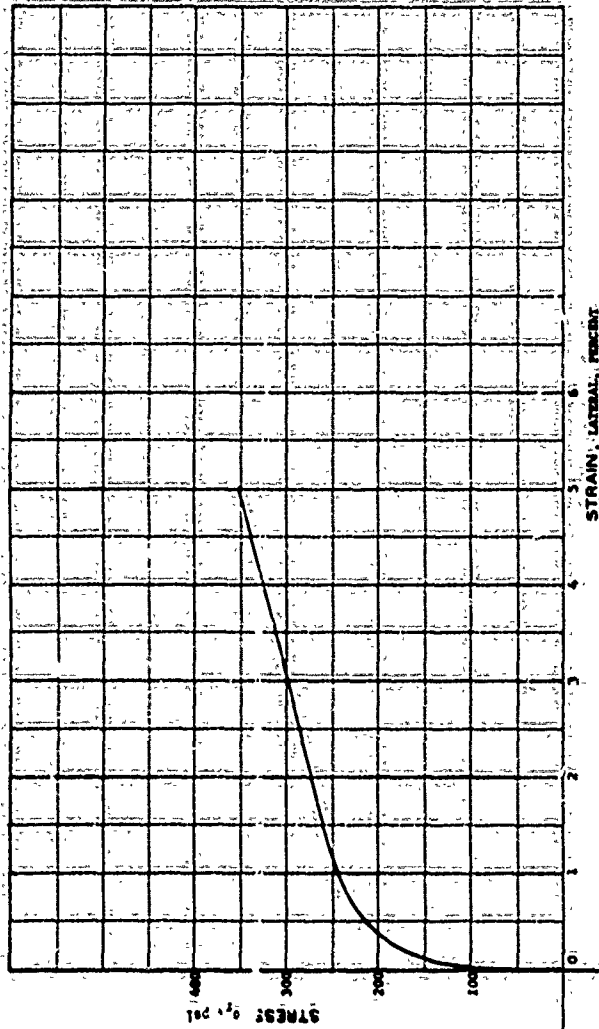
PROJECT	Georgia Institute of Technology 3-402		
Contract No.	DACA39-47-C-0031		
AREA			
BORING NO.	SAMPLE NO. 327		
DEPTH	DATE		
EL	PL	PL	PL
LL	36	17	19
DESCRIPTION: <u>Washing Mill Clay</u>			
Constant Stress Ratio, 0.6			
Initial Pressure, 1600 psi			

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	12.71	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_s$	42.48	%
DRY DENSITY	$\gamma_d$	95.19	PCF
WET DENSITY	$\gamma$	105.00	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE



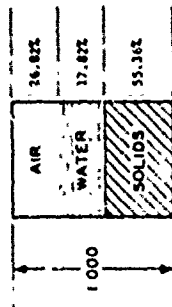
302

HYDROSTATIC PRESSURE, P, PSI

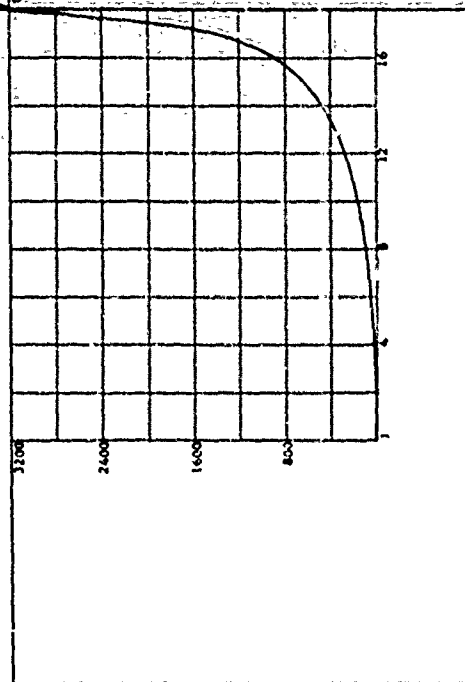
PROJECT		Georgia Institute of Technology S-402	
		Contract No. DMC139-67-C-0051	
AREA			
BORING NO.	SAMPLE NO.	327	
DEP. IN.	DATE		
EL.			
LL	PL	17	P1
			119
DESCRIPTION: Matching Hill Clay			
Constant Strain Ratio, 0.6			
Initial Pressure, 1600 psi			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

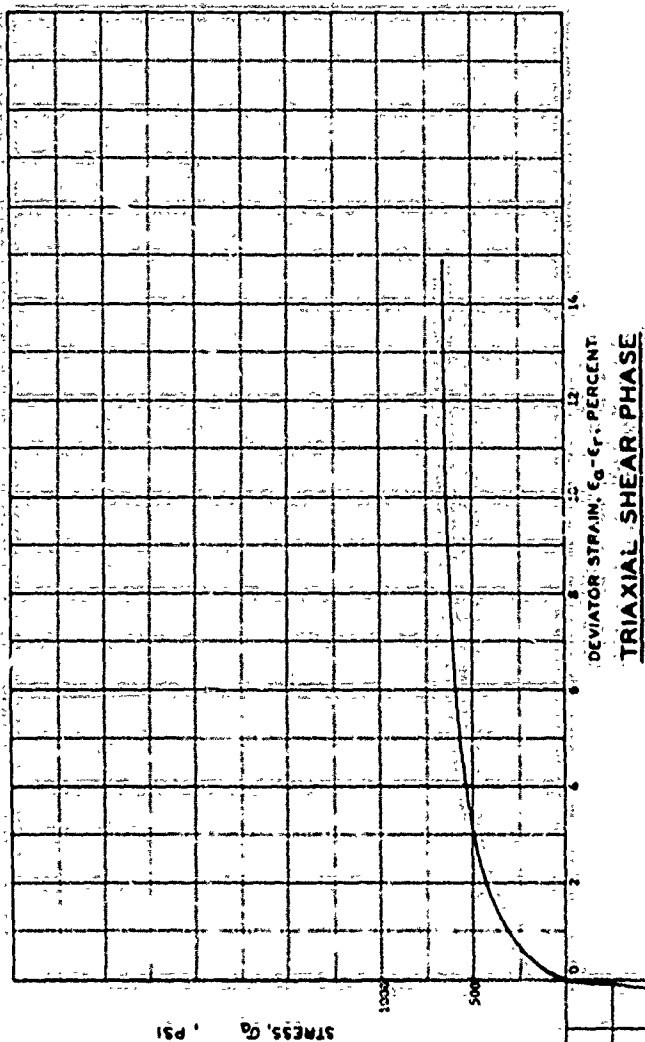
WATER CONTENT	W	11.92	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_0$	39.93	%
DRY DENSITY	$\gamma_d$	93.27	PCF
WET DENSITY	$\gamma$	106.39	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.61	CM



### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

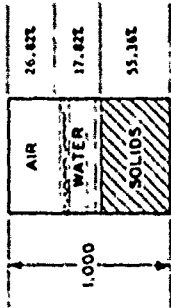


### TRIAXIAL SHEAR PHASE

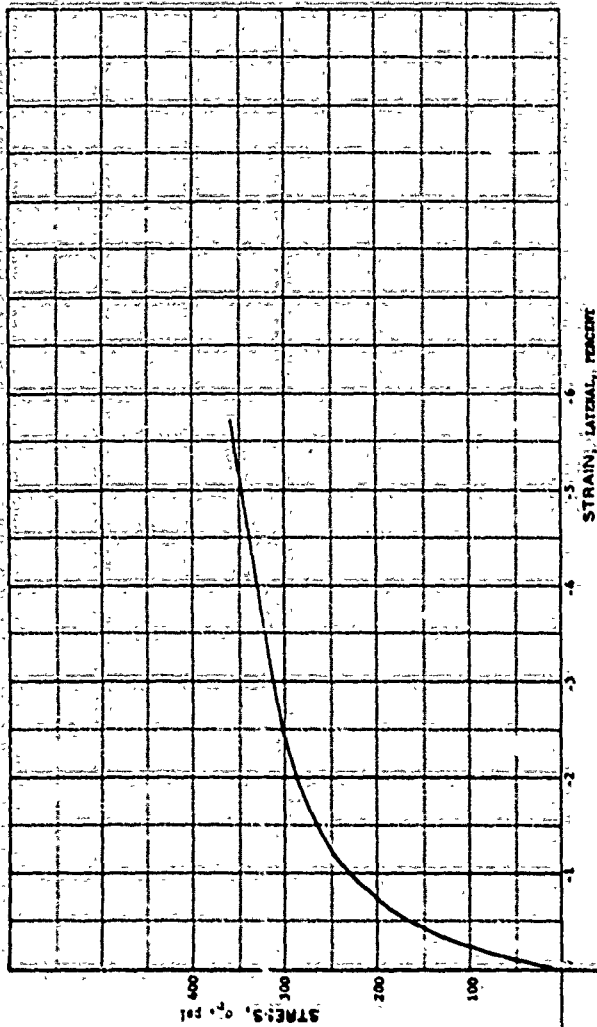
PROJECT		Georgia Institute of Technology R-602	
Contract No.		DMCA39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	3101	
DEPTH	DATE		
EL.	PL	17	PL 19
DESCRIPTION: <u>Washing Mill Clay</u>			
Constant Stress Ratio		0.6	
Initial Pressure		3100 psi	

HYDROSTATIC PRESSURE, P, PSI

WATER CONTENT	W	11.92 %
VOID RATIO	$e_0$	0.81
SATURATION	$S_0$	39.92 %
DRY DENSITY	$\gamma_d$	93.21 PCF
WET DENSITY	$\gamma$	104.39 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.61 CM



### HYDROSTATIC COMPRESSION PHASE



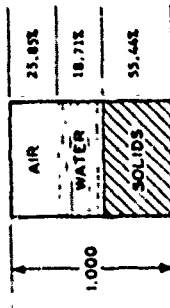
403

HYDROSTATIC PRESSURE, P, PSI

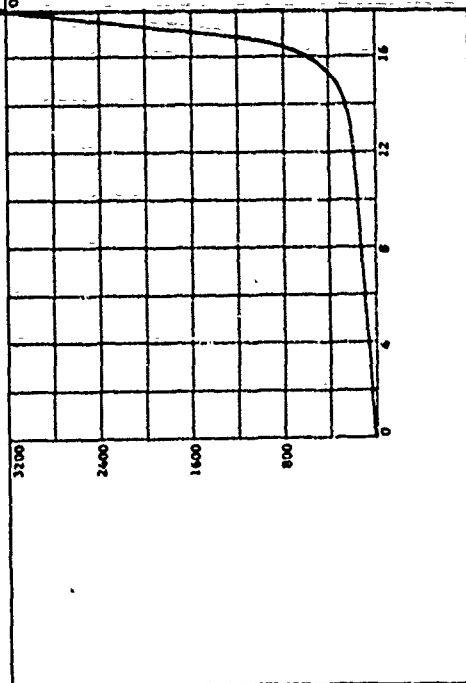
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology, B-601	
Contract No.		DCA32-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	310	
DEPTH, FEET	DATE		
LL 36	PL 17	PI	19
DESCRIPTION			
Hatching Hill Clay			
Constant Stress Ratio: 0.6			
Initial Pressure: 3200 psi			

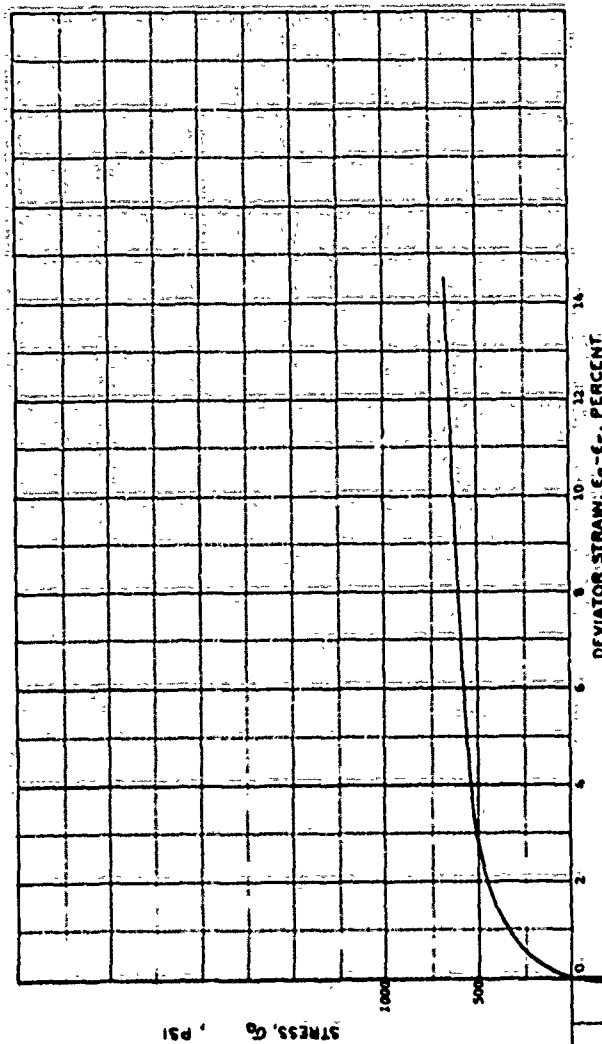
WATER CONTENT	W	12.50 %
VOID RATIO	$e_0$	0.80
SATURATION	$S_0$	41.99 %
DRY DENSITY	$\gamma_d$	93.40 PCF
WET DENSITY	$\gamma$	105.07 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.63 CM



### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

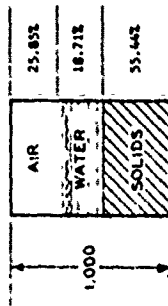


### TRIAxIAL SHEAR PHASE

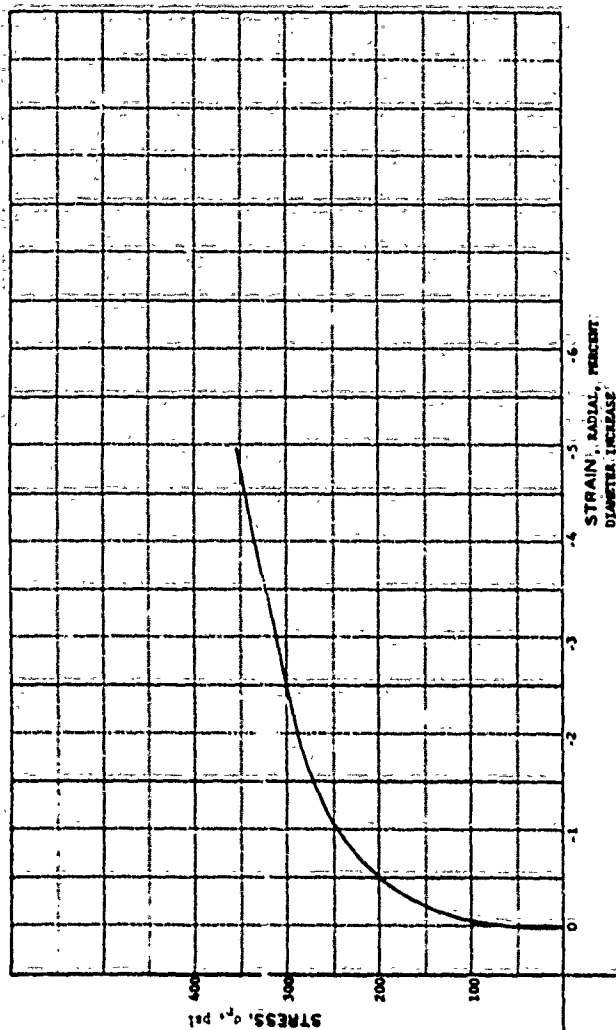
PROJECT		Georgia Institute of Technology R-402	
		Contract No. DCA39-67-C-00511	
AREA		SAMPLE NO. 313	
BORING NO.		DATE	
DEPTH		PL 17	PI 19
EL			
LL 36			
DESCRIPTION: Weathering Hill Clay			
Constant Stress Ratio, 0.6			
Initial Pressure, 3200 psi			

HYDROSTATIC PRESSURE, P, PSI

WATER CONTENT	W	12.50 %
VOID RATIO	$e_0$	0.80
SATURATION	$S_0$	41.99 %
DRY DENSITY	$\gamma_d$	93.40 PCF
WET DENSITY	$\gamma$	105.01 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.63 CM



### HYDROSTATIC COMPRESSION PHASE

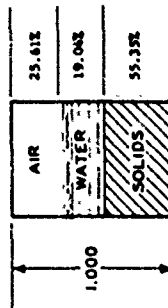


HYDROSTATIC PRESSURE,  $p$ , PSI

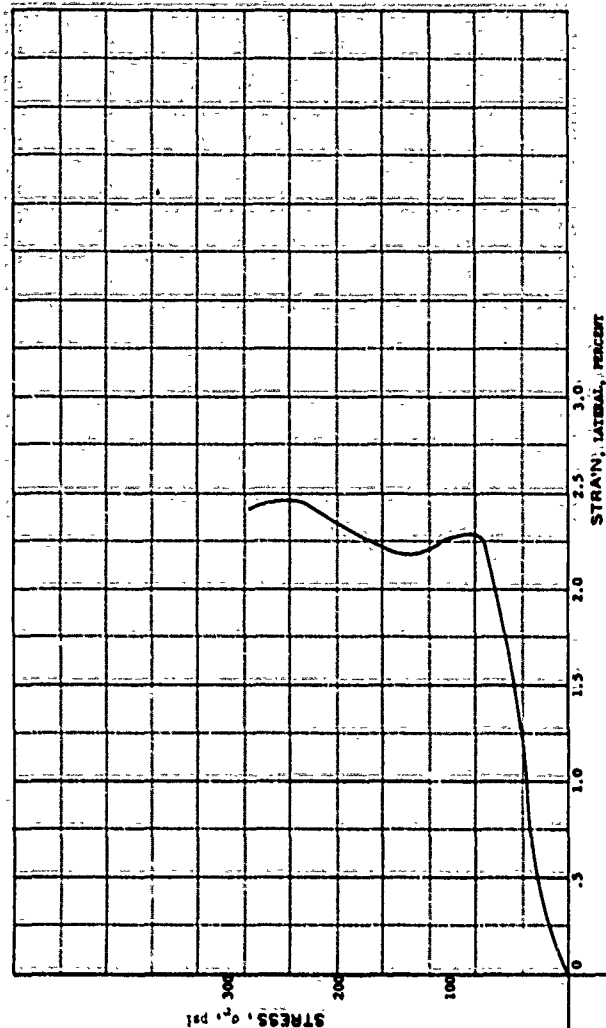
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology 8-602	
		Contract No. DCA39-61-C-0051	
AREA			
BORING NO.	SAMPLE NO. 313		
DEPTH	DATE		
EL			
LL 36	PL 17	PI 19	
DESCRIPTION: Hatching Hill Clay			
Constant Stress Ratio, 0.6			
Initial Pressure, 3200 psi			

WATER CONTENT	W	12.76	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_0$	42.64	%
DRY DENSITY	$\gamma_d$	99.25	PCF
WET DENSITY	$\gamma$	105.14	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE



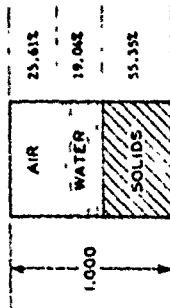
307

HYDROSTATIC PRESSURE, p, PSI

PROJECT Georgia Institute of Technology B-602	
Contract No. DACW39-67-C-0031	
AREA	
BORING NO.	SAMPLE NO. 342
DEPTH	DATE
EL.	
LL 36	PL 17
PI	19
DESCRIPTION Matching Mill Clay	
Constant Stress Ratio, 0.8	
Initial Pressure, 0 psi	

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

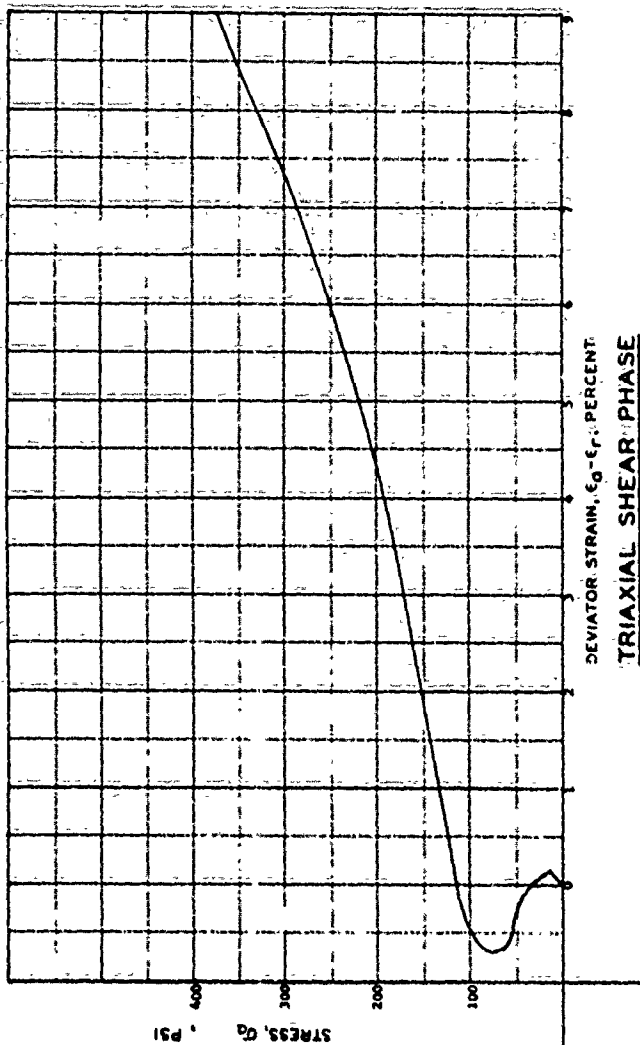
WATER CONTENT	W	12.74	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_0$	42.64	%
DRY DENSITY	$\gamma$	93.25	PCF
WET DENSITY	$\gamma$	105.14	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE

308

HYDROSTATIC PRESSURE,  $p$ , PSI



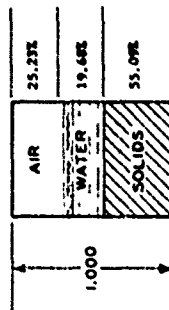
### TRIAXIAL SHEAR PHASE

PROJECT: Georgia Institute of Technology 8-602			
Contract No. DM239-67-C-0031			
AREA	SAMPLE NO. 342		DATE
BORING NO.	PL 17		PI 19
DEPTH	PL 17		PI 19
EL.	PL 17		PI 19
DESCRIPTION: Watchdog Hill Clay			
Constant Stress Ratio, 0.8			
Initial Pressure, 0 psi			

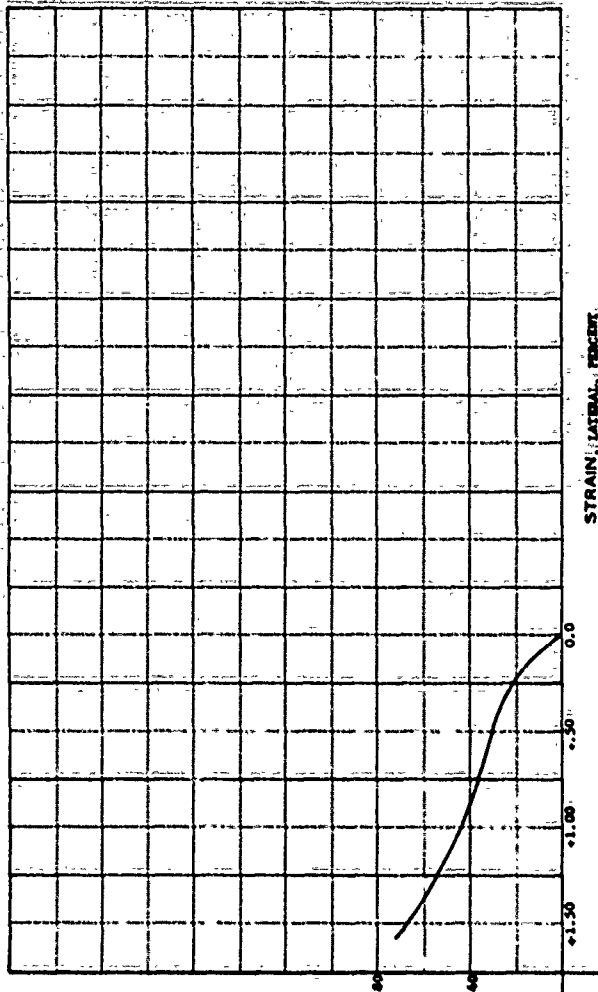
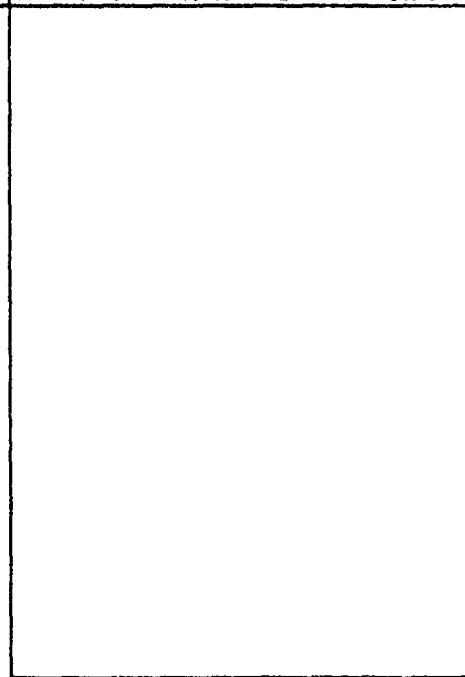
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



WATER CONTENT	W	13.24	%
VOID RATIO	$e_0$	0.82	
SATURATION	$S_0$	43.83	%
DRY DENSITY	$\gamma_d$	92.81	PCF
WET DENSITY	$\gamma$	105.09	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.43	CM



### HYDROSTATIC COMPRESSION PHASE

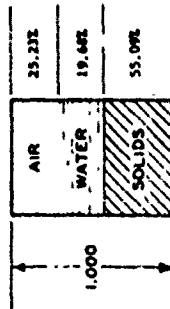


PROJECT: Georgia Institute of Technology E-602	
Contract No. DMC19-47-C-0031	
AREA	
BORING NO.	SAMPLE NO. 343
DEPTH	DATE
EL	
LL 36	PL 17
	PT 19
DESCRIPTION: Maching Hill Clay	
Constant Stress Ratio, 0.8	
Initial Pressure, 0 psi	

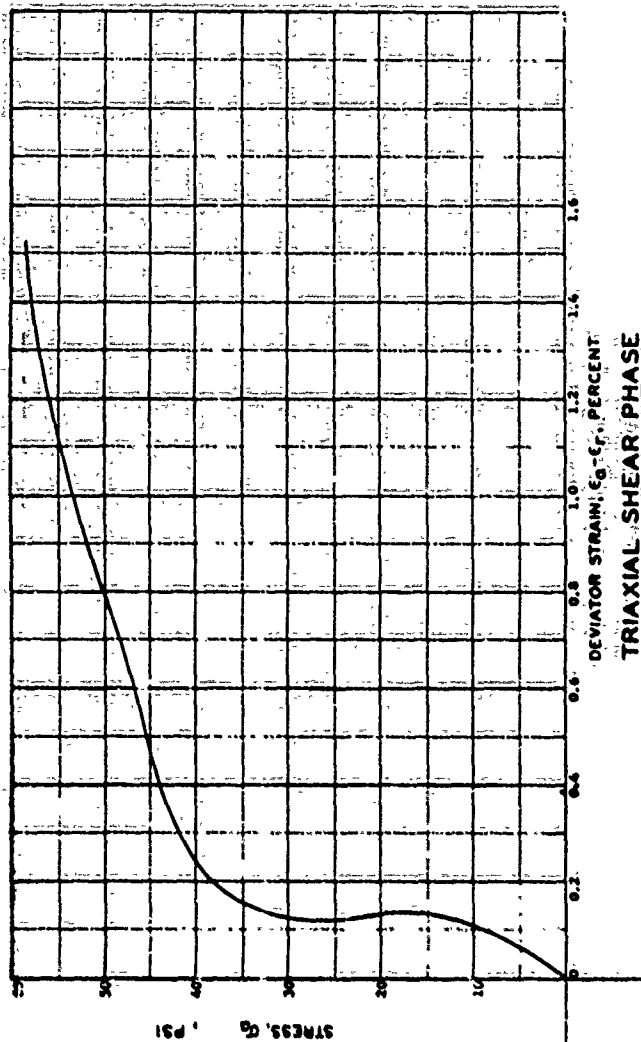
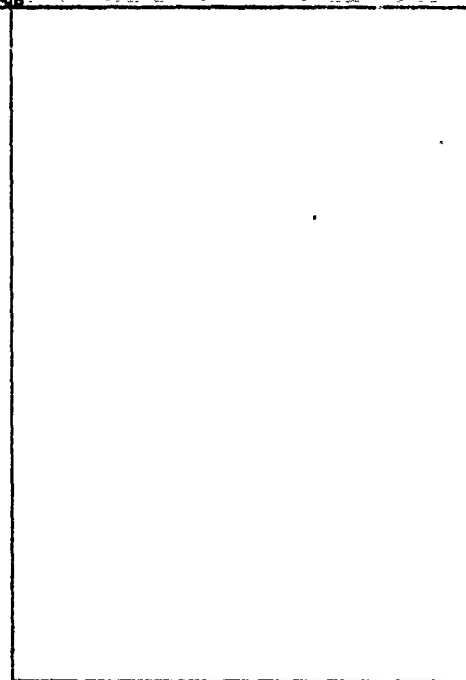
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	13.24	%
VOID RATIO	$e_0$	0.82	
SATURATION	$S_0$	43.85	%
DRY DENSITY	$\gamma_d$	92.81	PCF
WET DENSITY	$\gamma$	105.09	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE



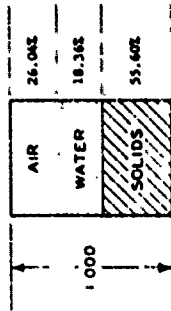
### TRIAXIAL SHEAR PHASE

PROJECT Georgia Institute of Technology B-602			
Contract No. DAC39-67-C-0031			
AREA		SAMPLE NO. 343	
BORING NO.		DATE	
DEPTH		PL	17
EL		PI	19
DESCRIPTION: Wetting Hill Clay			
Constant Strain Ratio, $O.R.$			
Initial Pressure, $O'_{pi}$			

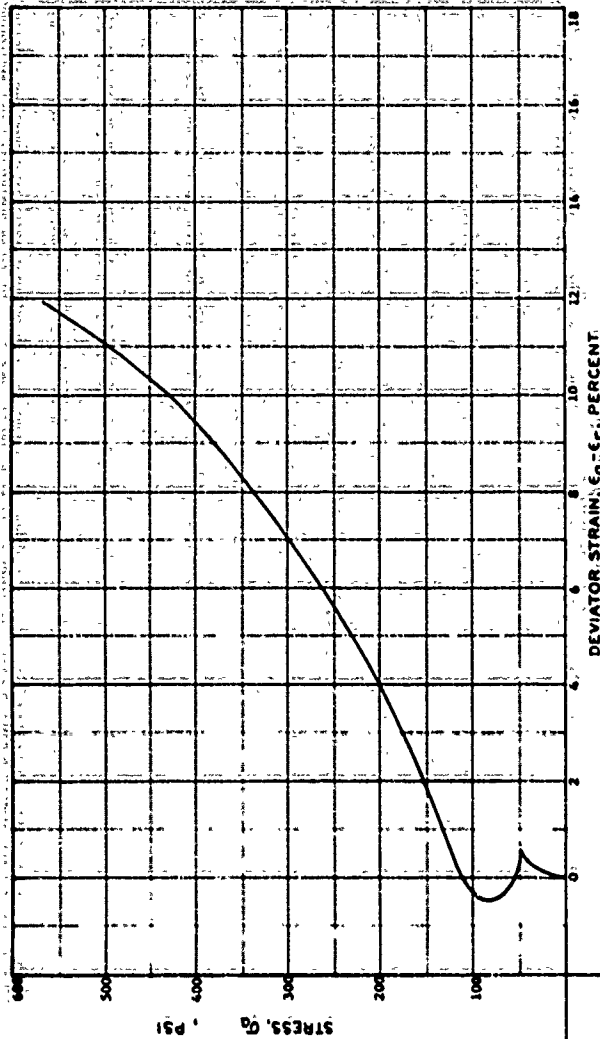
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

HYDROSTATIC PRESSURE,  $P$ , PSI

WATER CONTENT	W	12.23	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.34	%
DRY DENSITY	$\gamma_d$	93.48	PCF
WET DENSITY	$\gamma$	105.16	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE



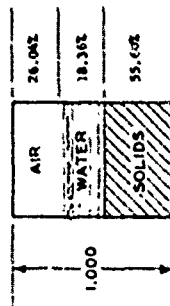
### TRIAXIAL SHEAR PHASE

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

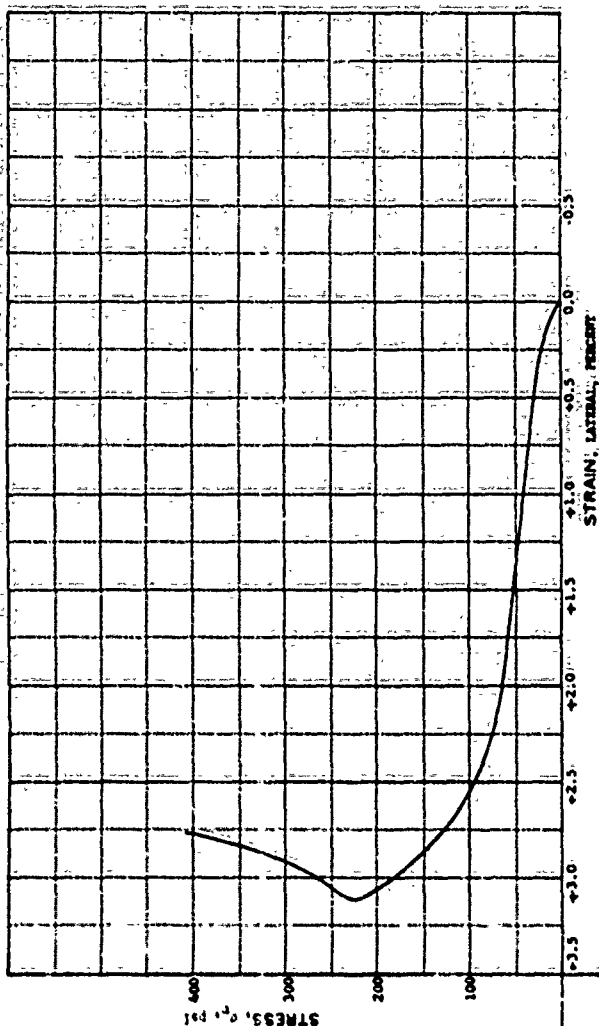
PROJECT: Georgia Institute of Technology J-602			
Contract No. DMCJ9-67-C-0031			
AREA			
BORING NO.	SAMPLE NO. 345		
DEPTH	DATE		
EL.	PL. 17	PI. 19	
DESCRIPTION: Washing Mill Clay			
Constant Stress Ratio: 0.3			
Initial Pressure: 0 psi			

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	12.23	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.34	%
DRY DENSITY	$\gamma_d$	93.58	PCF
WET DENSITY	$\gamma$	105.14	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE

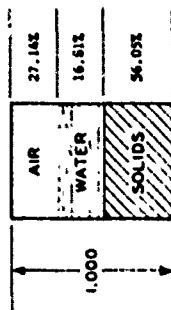


HYDROSTATIC PRESSURE, p, PSI

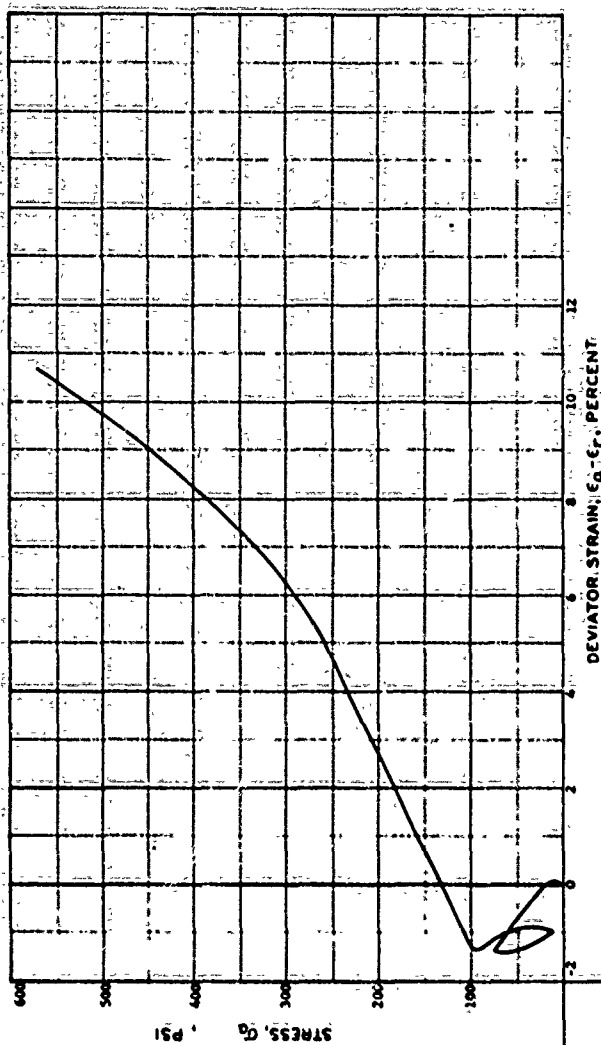
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT: Georgia Institute of Technology B-602			
Contract No. DAC39-67-C-0051			
AREA:		SAMPLE NO. 345	
BORING NO.	DEPTH	DATE	
EL	PL 17	PI 19	
DESCRIPTION: Machine Mill Clay			
Constant Stress Ratio, 0.8			
Initial Pressure, 0 psi			

WATER CONTENT		W	11.11 %
VOID RATIO		$e_0$	0.78
SATURATION		$S_0$	38.25 %
DRY DENSITY		$\gamma_s$	96.43 PCF
WET DENSITY		$\gamma$	104.92 PCF
SPECIFIC GRAVITY		$G_s$	2.70
SPECIMEN DIAMETER		$D_0$	3.49 CM
SPECIMEN HEIGHT		$H_0$	7.43 CM



### HYDROSTATIC COMPRESSION PHASE



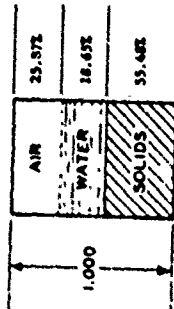
### TRIAxIAL SHEAR PHASE

HYDROSTATIC PRESSURE,  $P$ , PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT: Georgia Institute of Technology	
Contract No. DCA39-67-C-0031	
AREA	
BORING NO.	SAMPLE NO. 349
DEPTH	DATE
EL.	
LL 36	PL 17
	PI 19
DESCRIPTION: Matching Hill Clay	
Constant Stress Ratio, 0.8; Initial Pressure, 0.1 psi	
Cycle Shear, 2/332	

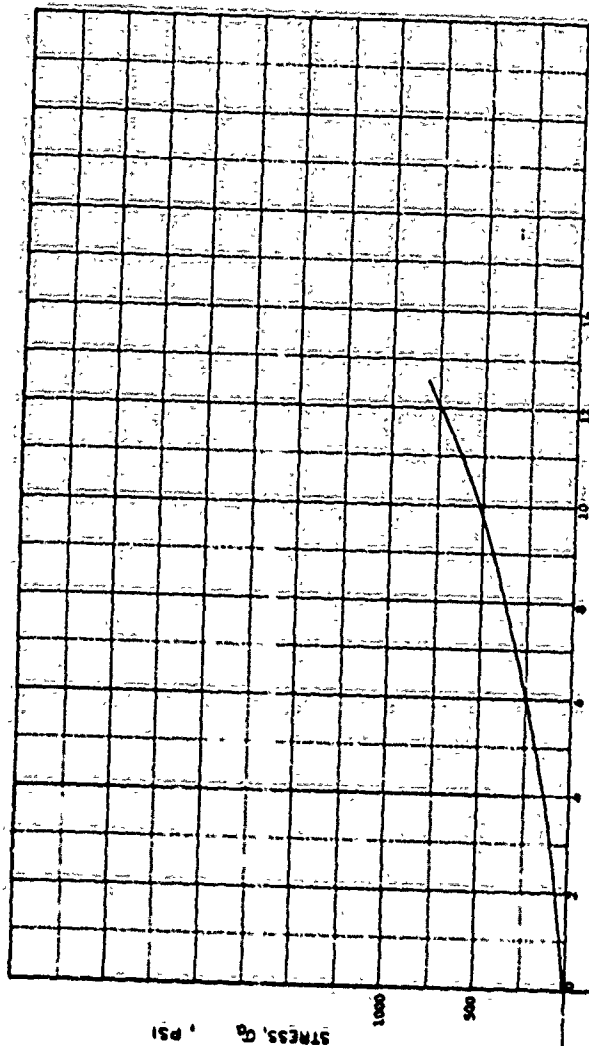
WATER CONTENT	W	12.45	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.88	%
DRY DENSITY	$\gamma_d$	93.67	PCF
WET DENSITY	$\gamma$	105.11	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.61	CM



### HYDROSTATIC COMPRESSION PHASE

HYDROSTATIC PRESSURE, P, PSI

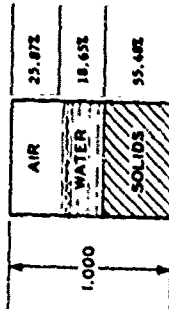
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



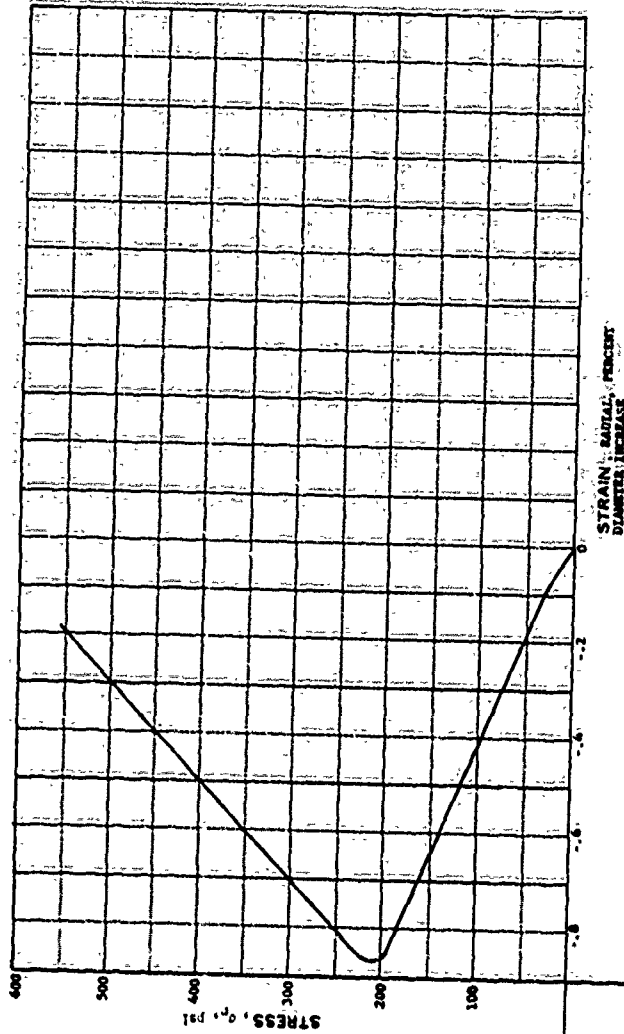
### DEVIATOR STRAIN, $e_d - e_p$ , PERCENT TRIAXIAL SHEAR PHASE

PROJECT		Georgia Institute of Technology B-602	
CONTRACT NO.		DMC39-67-C-0051	
AREA			
BORING NO.	SAMPLE NO.	220	
DEPTH	DATE		
LL 36	PL 17	PI 19	
DESCRIPTION: Washing Mill Clay			
Constant Stress Ratio, $D_0$			
Initial Pressure, 107 psi			

WATER CONTENT	W	12.45	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.86	%
DRY DENSITY	$\gamma_d$	93.47	PCF
WET DENSITY	$\gamma$	105.11	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.61	CM



### HYDROSTATIC COMPRESSION PHASE



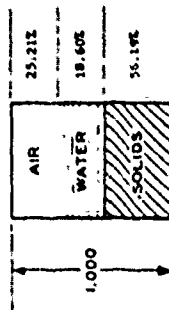
HYDROSTATIC PRESSURE,  $p$ , PSI

315

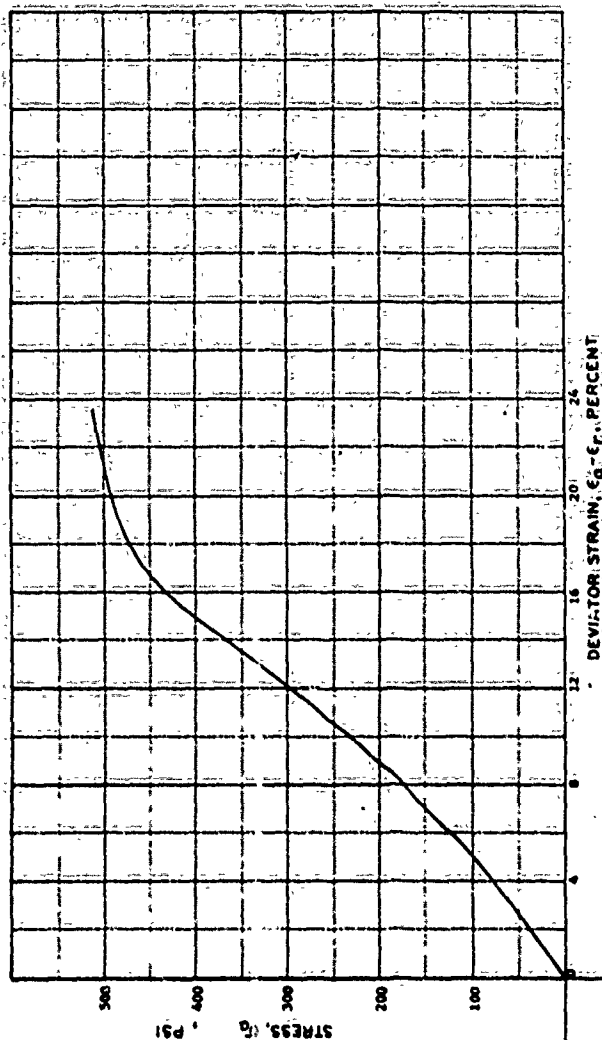
PROJECT: Georgia Institute of Technology B-602	
Contract No. DMC39-67-C-0031	
AREA:	
BORING NO.	SAMPLE NO. 293
DEPTH:	DATE:
EL.	
LL 36	PL 17
	PI 19
DESCRIPTION: Machine Ball Clay	
Constant Stress Ratio: 0.6	
Initial Pressure: 100 psi	

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	12.26	%
VOID RATIO	$e_0$	0.78	
SATURATION	$S_0$	42.46	%
DRY DENSITY	$\gamma_d$	94.67	PCF
WET DENSITY	$\gamma$	106.28	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.47	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



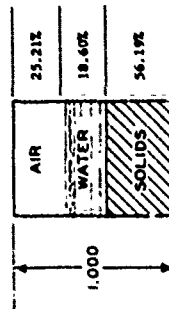
### TRIAXIAL SHEAR PHASE

PROJECT		Georgia Institute of Technology B-602	
CONTRACT NO.		DCA319-57-C-0031	
AREA	BORING NO.	SAMPLE NO.	258
DEPTH	DATE	PL	17
EL	DATE	PL	19
LL	36	PL	19
DESCRIPTION: Matching MILL CLAY			
Constant Stress Ratio, 0.81			
Initial Pressure, 100 psi			

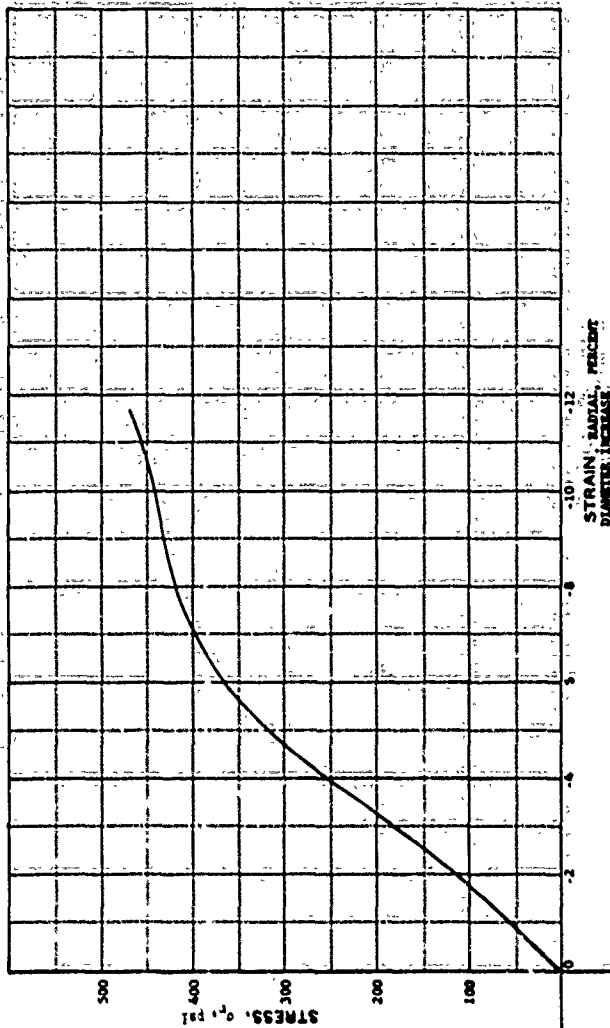
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



WATER CONTENT	W	12.26	%
VOID RATIO	$e_0$	0.78	
SATURATION	$S_0$	42.45	%
DRY DENSITY	$\gamma_d$	96.67	PCF
WET DENSITY	$\gamma$	106.28	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.47	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE

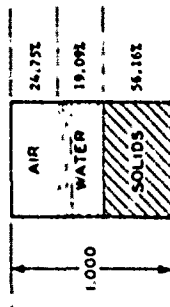


HYDROSTATIC PRESSURE,  $p$ , PSI

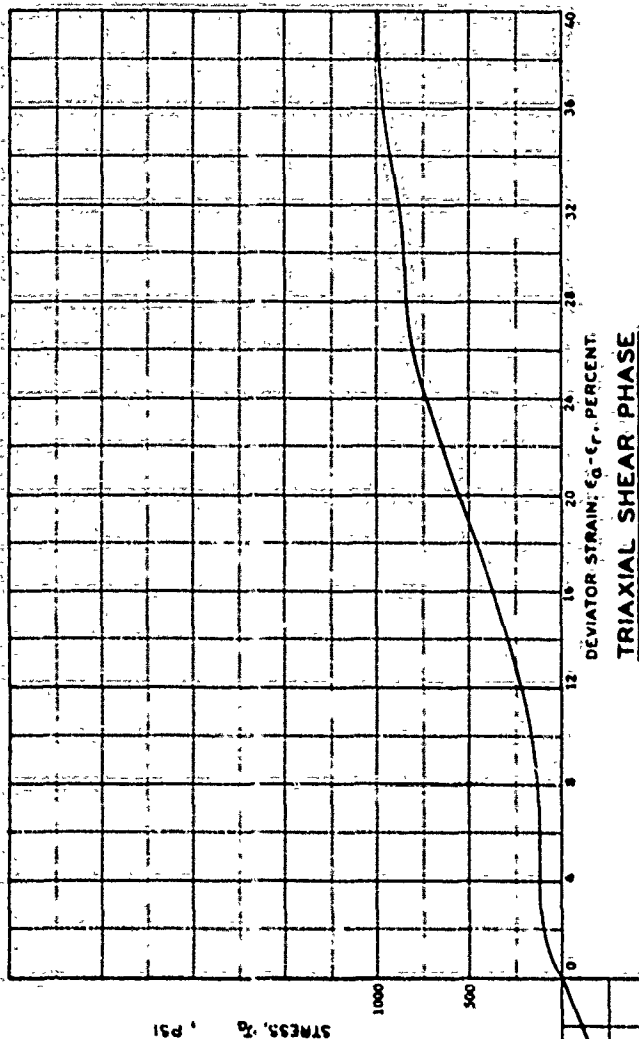
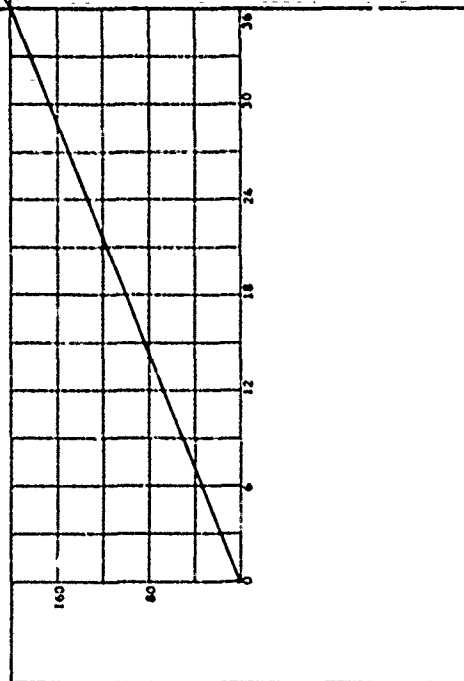
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT: Georgia Institute of Technology B-602			
Contract No. DACW39-67-C-0031			
AREA			
BORING NO.	SAMPLE NO. 240		
DEPTH	DATE		
LL 36	PL 17	PI 19	
DESCRIPTION: Matching Hill Clay			
Constant Stress Ratio, 0.8			
Initial Pressure, 100 psi			

WATER CONTENT	W	12.59	%
VOID RATIO	$e_0$	0.78	
SATURATION	$S_0$	43.54	%
DRY DENSITY	$\gamma_d$	94.63	PCF
WET DENSITY	$\gamma$	106.54	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.47	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM

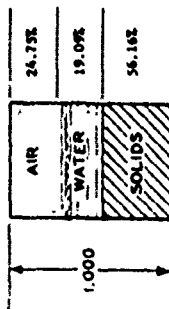


### HYDROSTATIC COMPRESSION PHASE

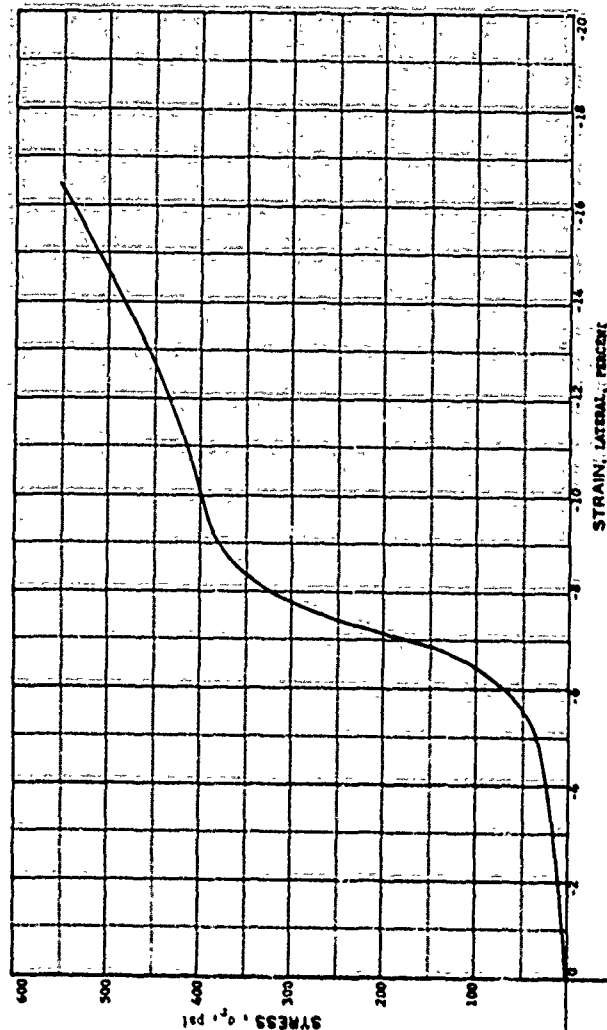


PROJECT: Georgia Institute of Technology	
Contract No. DCA39-67-C-0051	
AREA	SAMPLE NO. 283
BORING NO.	DEPTH
EL.	DATE
LL 36	PL 17
PI 19	
DESCRIPTION Watcher Hill Clay	
Constant Stress Ratio, 0.8; Initial Pressure, 200 psi	

WATER CONTENT	W	12.59	%
VOID RATIO	$e_v$	0.78	
SATURATION	$S_v$	43.34	%
DRY DENSITY	$\gamma_d$	94.63	PCF
WET DENSITY	$\gamma$	106.34	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
UNCOMPACTED DIAMETER	$D_0$	3.47	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE



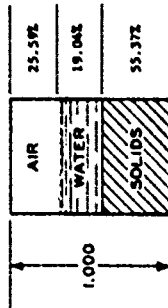
HYDROSTATIC PRESSURE,  $p$ , PSI

319

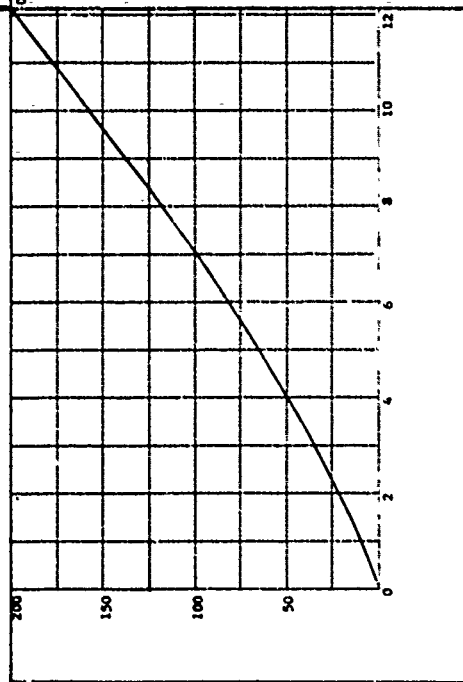
PROJECT Georgia Institute of Technology			
Contract No. DAC39-67-C-0051			
AREA		SAMPLE NO. 210	
BORING NO.	DEPTH	DATE	
LL	36	PL	17
		PI	19
DESCRIPTION: Matching #111 Clay			
Constant Stress Ratio, $0.8$ ; Initial Pressure, 200 PSI			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

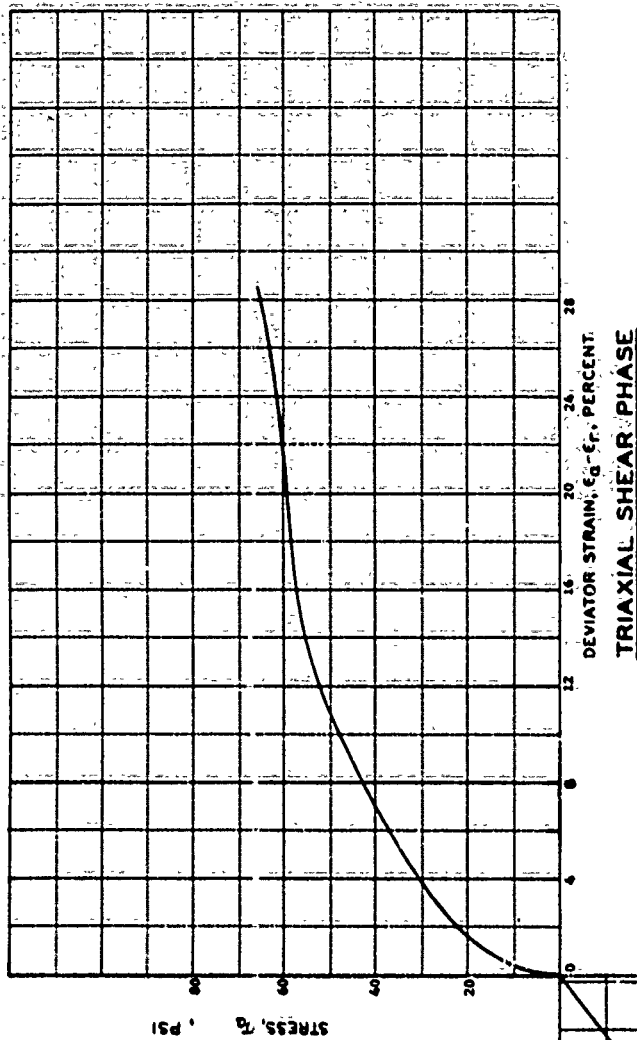
WATER CONTENT	W	12.75 %
VOID RATIO	$e_0$	0.81
SATURATION	$S_0$	42.67 %
DRY DENSITY	$\gamma_d$	90.30 PCF
WET DENSITY	$\gamma$	105.18 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.63 CM



### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

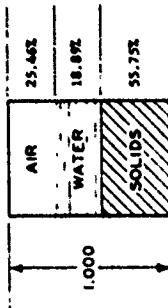


### TRIAxIAL SHEAR PHASE

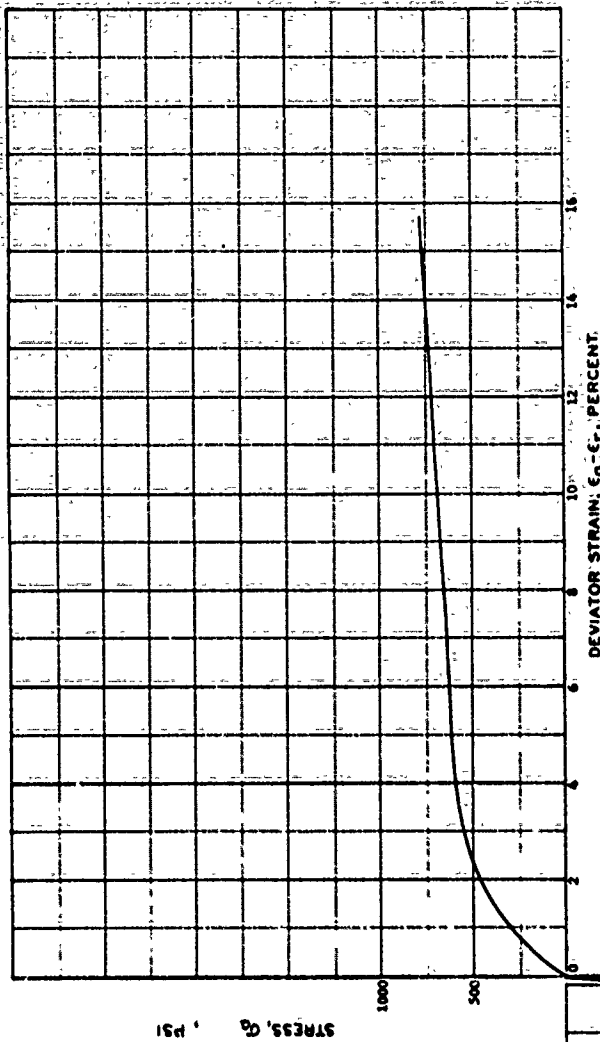
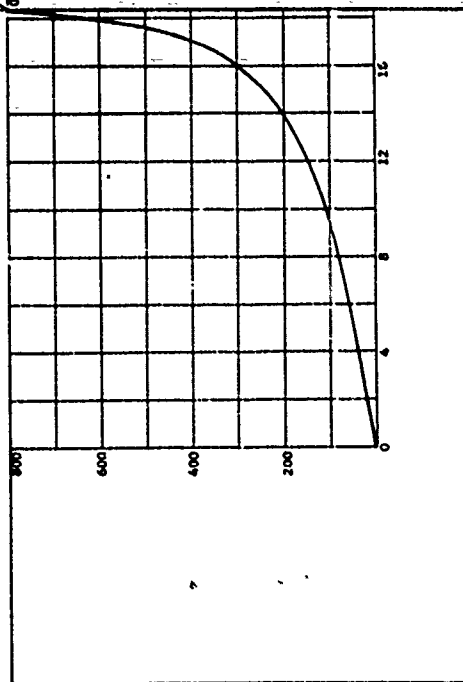
PROJECT: Georgia Institute of Technology E-602			
Contract No. DMC39-67-G-0031			
AREA	SAMPLE NO. 292		DATE
BORING NO.	DEPTH	PL	PL
EL	36	37	19
DESCRIPTION: MacNee Hill Clay			
Constant Stress Ratio, 0.8			
Initial Pressure, 200 psi			

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	12.55	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	42.69	%
DRY DENSITY	$\gamma_d$	93.92	PCF
WET DENSITY	$\gamma$	105.71	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
VEEN DIAMETER	$D_0$	3.48	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



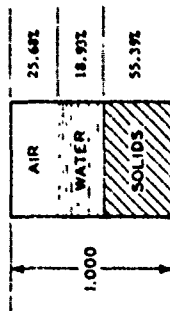
### HYDROSTATIC COMPRESSION PHASE



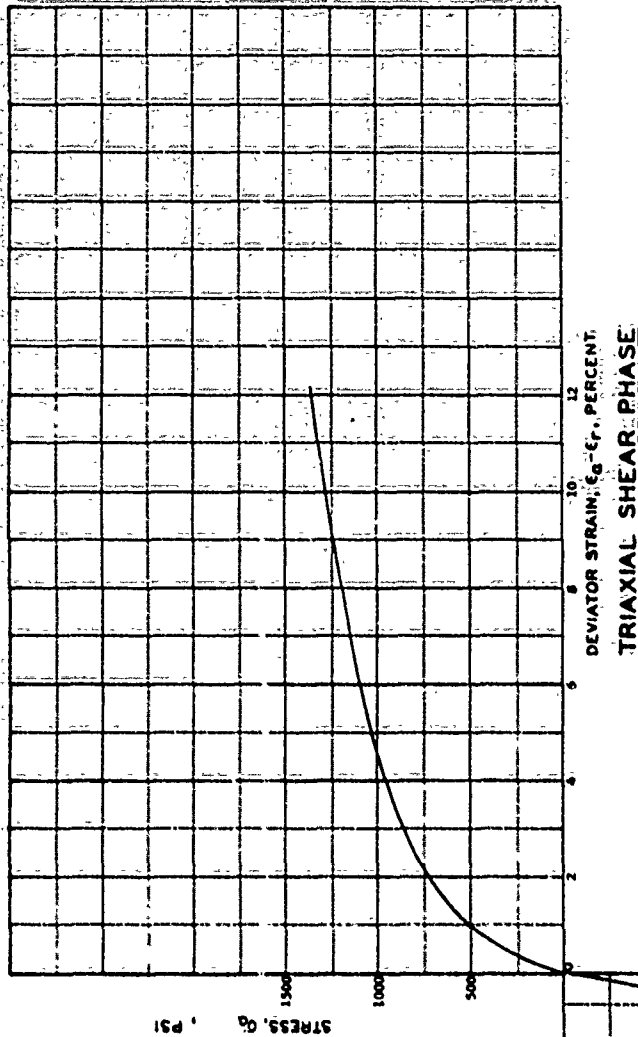
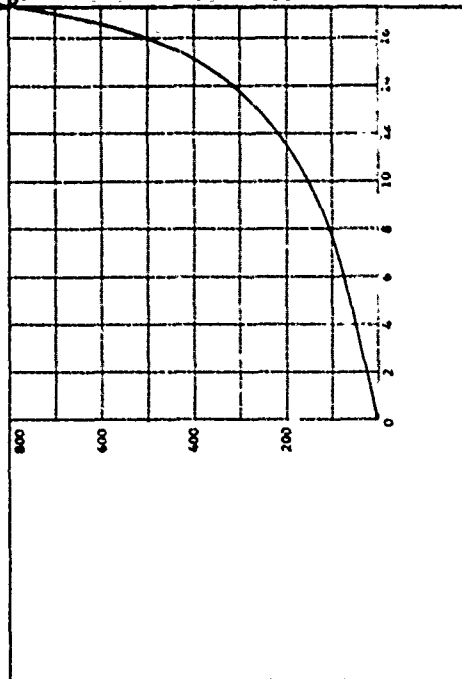
### TRIAXIAL SHEAR PHASE

PROJECT		Georgia Institute of Technology B-602	
Contract No.		DMC33-87-C-0031	
AREA	BORING NO.	SAMPLE NO.	317
DEPTH	EL.	DATE	
LL	36	PL	17
		PI	19
DESCRIPTION: Weching Hill Clay			
Constant Stress Ratio, 0.8			
Initial Pressure, 800 psi			

WATER CONTENT	W	12.66 %
VOID RATIO	$e_0$	0.81
SATURATION	$S_0$	42.44 %
DRY DENSITY	$\gamma_d$	93.32 PCF
WET DENSITY	$\gamma$	105.13 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



### HYDROSTATIC COMPRESSION PHASE

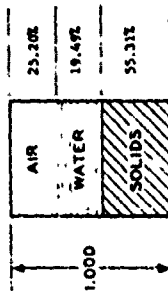


### TRIAxIAL SHEAR PHASE

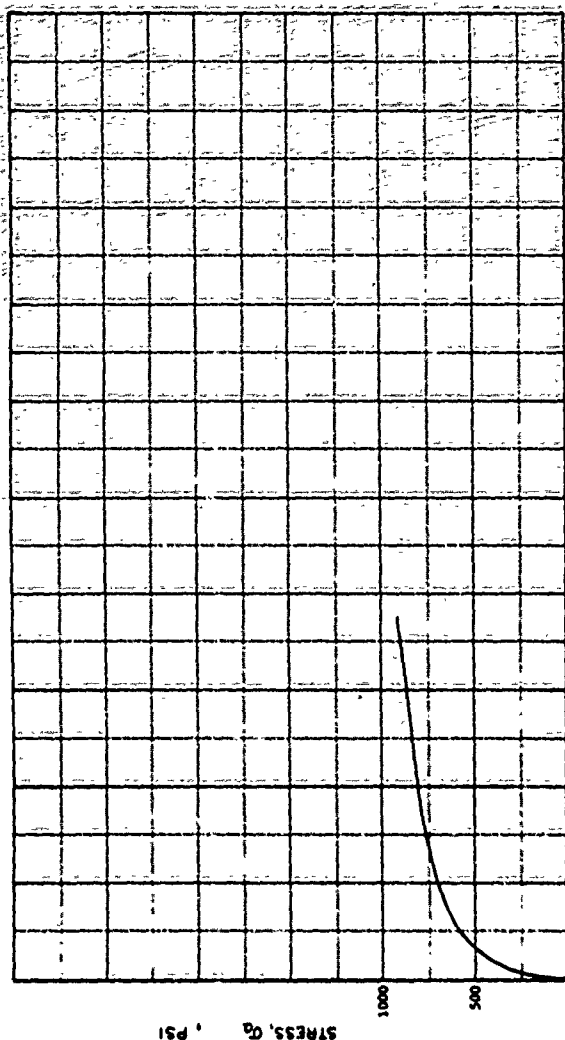
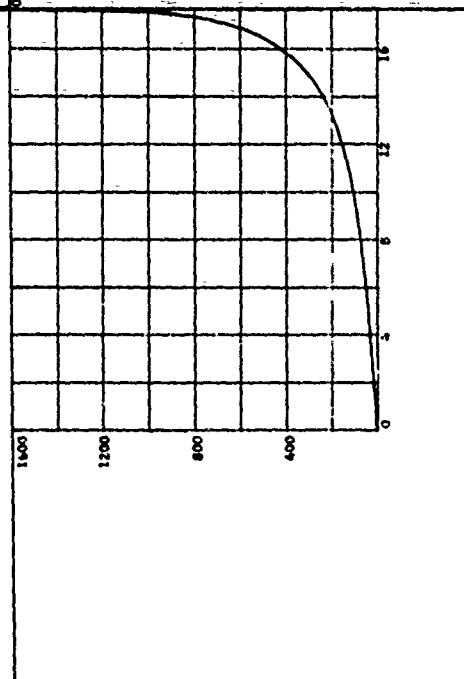
PROJECT: Georgia Institute of Technology B-602			
Contract No. DMC39-67-C-0051			
AREA:		SAMPLE NO. 330	
BORING NO.	DEPTH	DATE	
LL 36	PL 17	PI 19	
DESCRIPTION: Matching Mill Clay			
Constant Stress Ratio, 0.8:			
Initial Pressure, 800 psi			

HYDROSTATIC PRESSURE, p, PSI

WATER CONTENT	W	13.05 %
VOID RATIO	$e_0$	0.81
SATURATION	$S_0$	63.62 %
DRY DENSITY	$\gamma_d$	93.19 PCF
WET DENSITY	$\gamma$	105.35 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



### HYDROSTATIC COMPRESSION PHASE

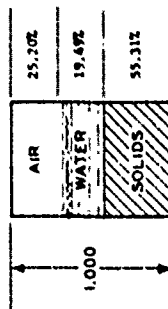


### DEVIATOR STRAIN, $EQ-CF$ , PERCENT TRIAXIAL SHEAR PHASE

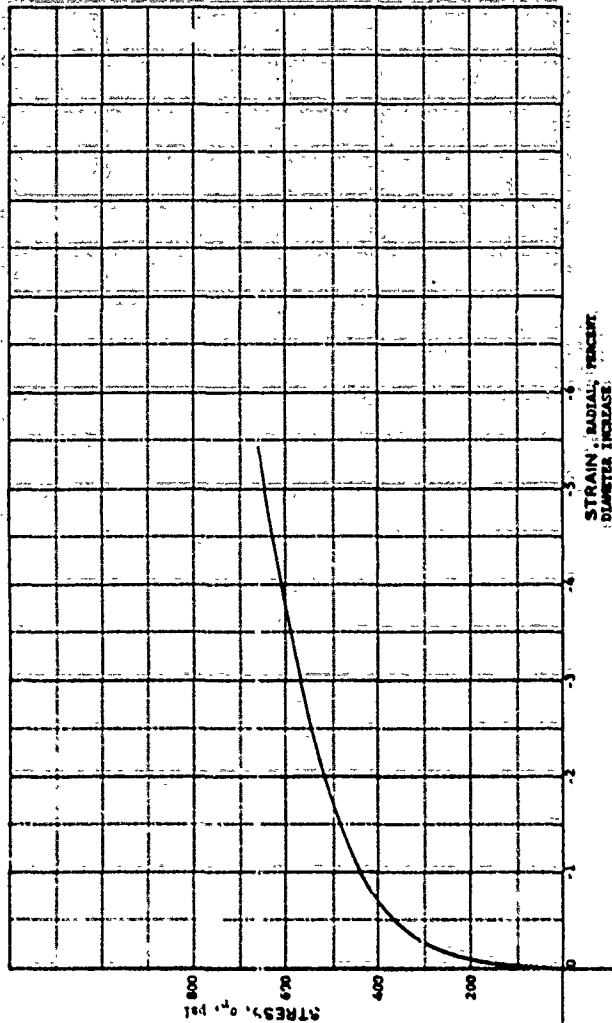
PROJECT	Georgia Institute of Technology 8-602			
AREA	Contract No. DMC39-67-C-00511			
BORING NO.	SAMPLE NO. 316		DATE	
DEPTH	LL	36	PL	17
EL			P1	19
DESCRIPTION Matching Mt. Clay				
Constant Stress Ratio, 0.8				
Initial Pressure, 1600 psi				

HYDROSTATIC PRESSURE,  $p$ , PSI

WATER CONTENT	W	13.05	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_p$	63.62	%
DRY DENSITY	$\gamma_d$	92.19	PCF
WET DENSITY	$\gamma$	105.35	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



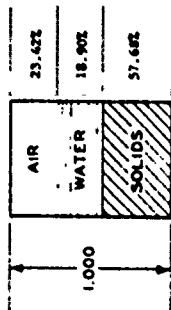
HYDROSTATIC PRESSURE,  $p$ , PSI

PROJECT: Georgia Institute of Technology B-602	
Contract No. DCA39-67-C-0051	
AREA	
BORING NO.	SAMPLE NO. 316
DEPTH	DATE
EL	
LL 36	PL 17
	PI 19
DESCRIPTION: Matching Hill Clay	
Constant Stress Ratio, 0.8	
Initial Pressure, 1600 psi	

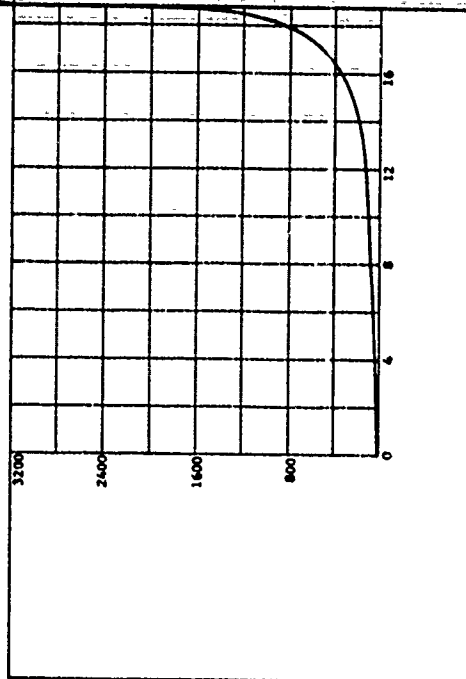
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



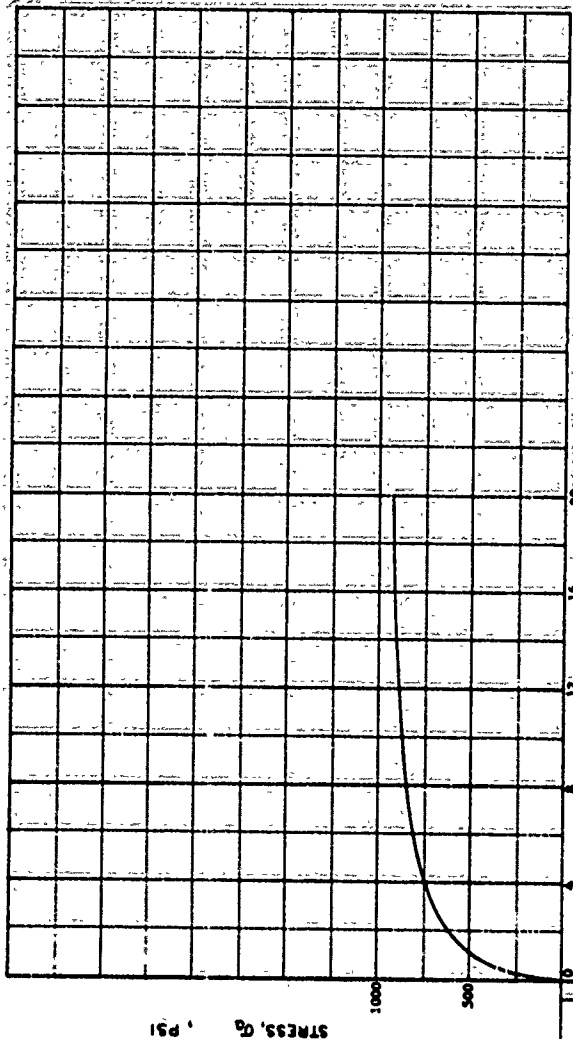
WATER CONTENT	W	12.16	%
VOID RATIO	$e_0$	0.73	
SATURATION	$S_0$	44.67	%
DRY DENSITY	$\gamma_d$	97.19	PCF
WET DENSITY	$\gamma$	108.98	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	5.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $\Delta v/v_0$ , PERCENT



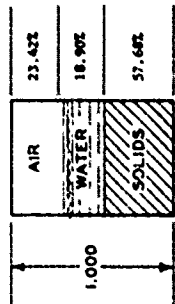
DEVIATOR STRAIN,  $\epsilon_0 - \epsilon_f$ , PERCENT

### TRIAxIAL SHEAR PHASE

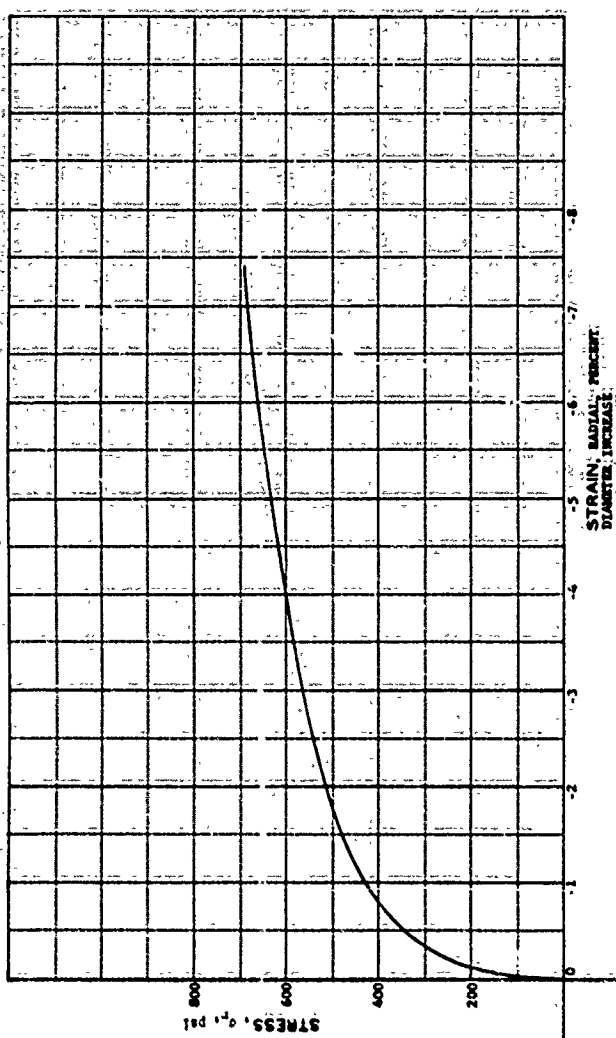
PROJECT: Georgia Institute of Technology B-602	
Contract No. DCA33-67-C-0051	
AREA	
BORING NO.	SAMPLE NO. 316
DEPTH	DATE
EL	PL 17
LL 36	PI 19
DESCRIPTION: Matching Bill Clay	
Constant Stress Ratio, 0.8	
Initial Pressure, 3200 psi	

HYDRAULIC PRESSURE, p, PSI

WATER CONTENT	W	12.14	%
VOID RATIO	$e_0$	0.73	
SATURATION	$S_0$	44.67	%
DRY DENSITY	$\gamma_d$	97.19	PCF
WET DENSITY	$\gamma$	109.98	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



# HYDROSTATIC COMPRESSION PHASE

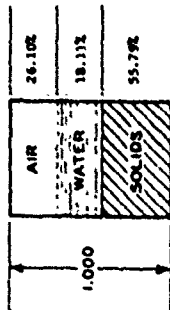


HYDROSTATIC PRESSURE,  $p$ , PSI

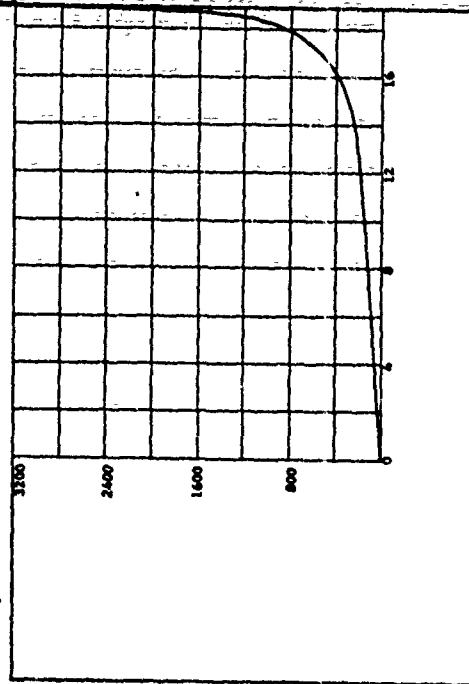
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT		Georgia Institute of Technology B-602	
		Contract No. DAC39-67-C-0031	
AREA			
BORING NO.	SAMPLE NO.	314	
DEPTH	DATE		
EL			
LL	PL	17	PI 19
DESCRIPTION: Matching Mill Clay			
Constant Stress Ratio: 0.8			
Initial Pressure: 3200 psi			

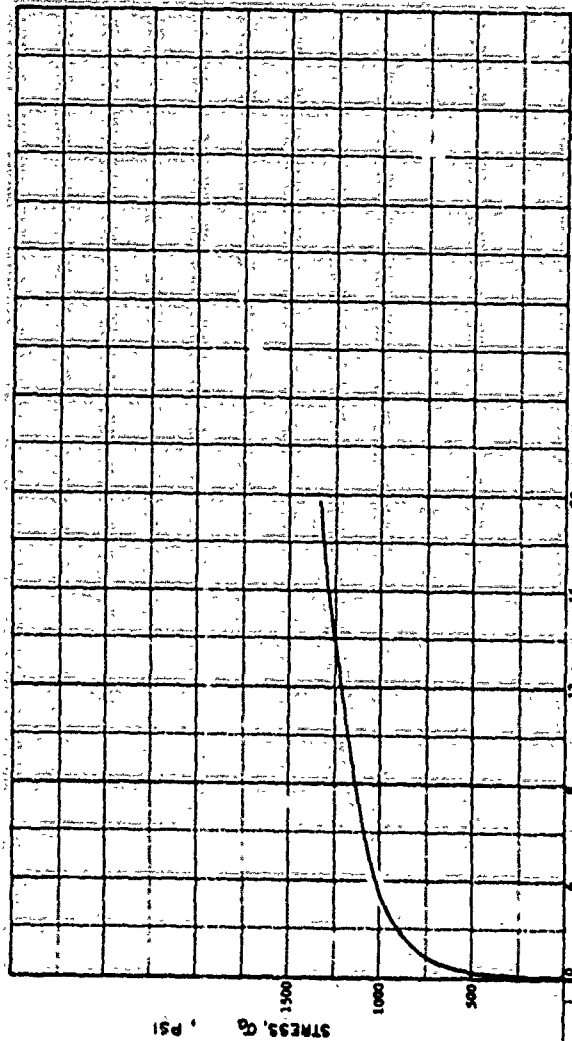
WATER CONTENT	W	12.02 %
VOID RATIO	$e_0$	0.79
SATURATION	$S_0$	60.97 %
DRY DENSITY	$\gamma$	94.00 PCF
WET DENSITY	$\gamma$	105.30 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.50 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



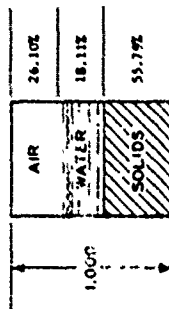
DEVIATOR STRAIN,  $\epsilon_d - \epsilon_f$ , PERCENT

### TRIAxIAL SHEAR PHASE

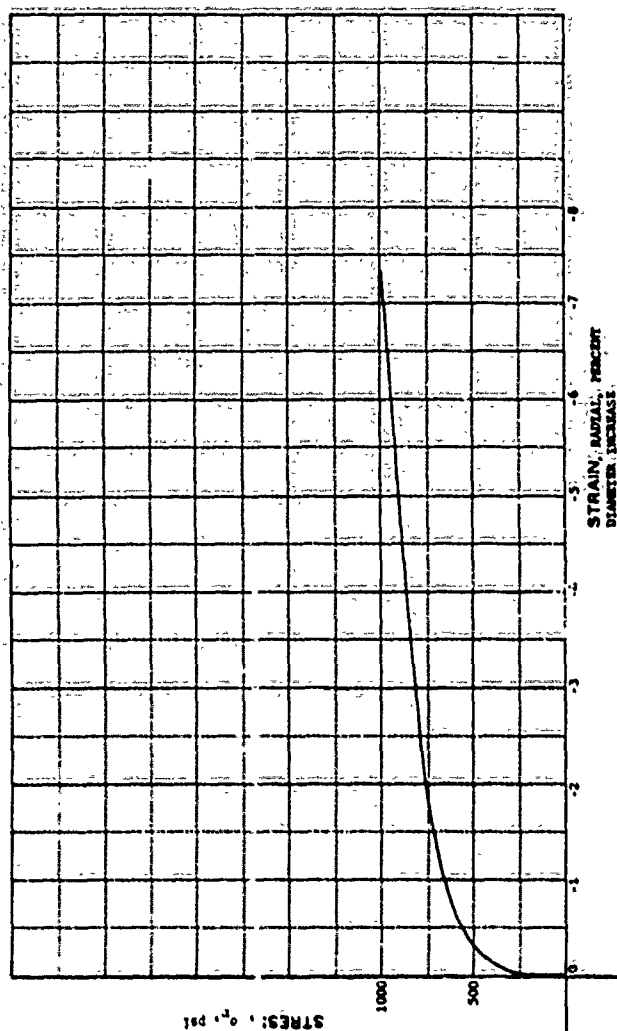
PROJECT		Georgia Institute of Technology B-602	
Contract No.		DACW39-67-C-00311	
AREA			
BORING NO.	SAMPLE NO. 331		
DEPTH	DATE		
LL	36	PL	17
EL		PI	18
DESCRIPTION: Metching Hill Clay			
Constant Stress Ratio, 0.8			
Initial Pressure, 3200 psi			

HYDROSTATIC PRESSURE, P, PSI

WATER CONTENT	W	12.02	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	40.97	%
DRY DENSITY	$\gamma_0$	94.00	PCF
WET DENSITY	$\gamma$	105.30	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



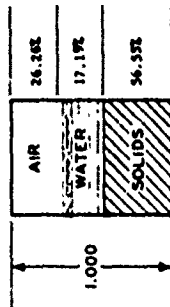
HYDROSTATIC PRESSURE,  $p$ , PSI

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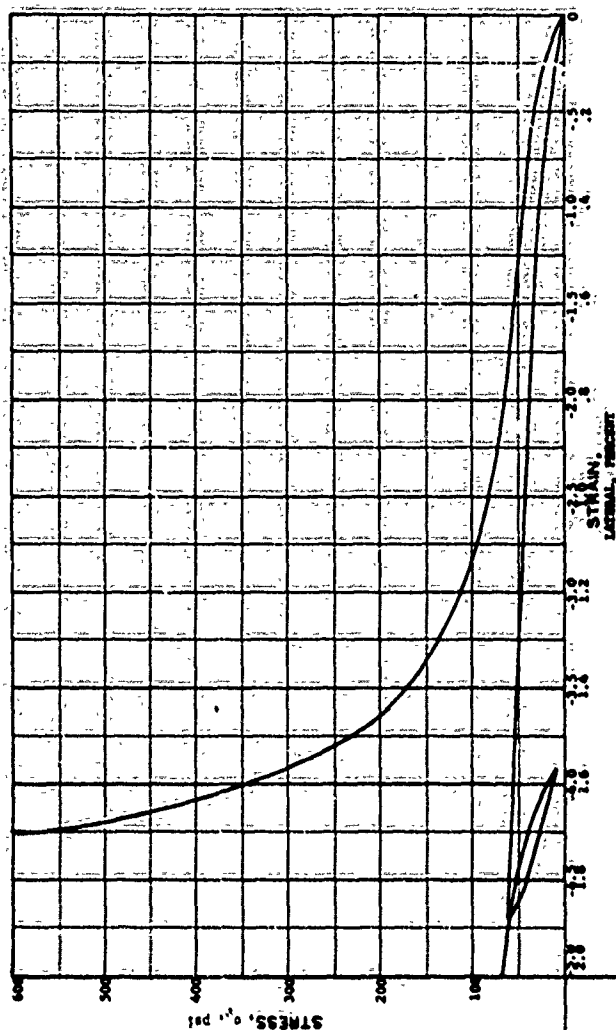
PROJECT		Georgia Institute of Technology, B-602	
		Contract No. MCA39-67-C-0031	
AREA			
SOURCE NO.	SAMPLE NO.		
DEPTH, EL.	DATE		
LL 36	PL 17	PI 18	
DESCRIPTION: Matching Hill Clay			
Compaction Stress Ratio, 0.8			
Initial Pressure, 3200 psi			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	11.26	%
VOID RATIO	$e_0$	0.77	
SATURATION	$S_0$	39.57	%
DRY DENSITY	$\gamma_d$	95.27	PCF
WET DENSITY	$\gamma$	106.00	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.59	CM



### HYDROSTATIC COMPRESSION PHASE

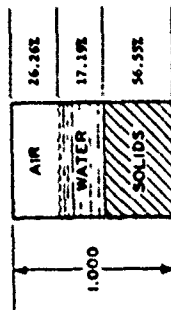


HYDROSTATIC PRESSURE,  $p$ , PSI

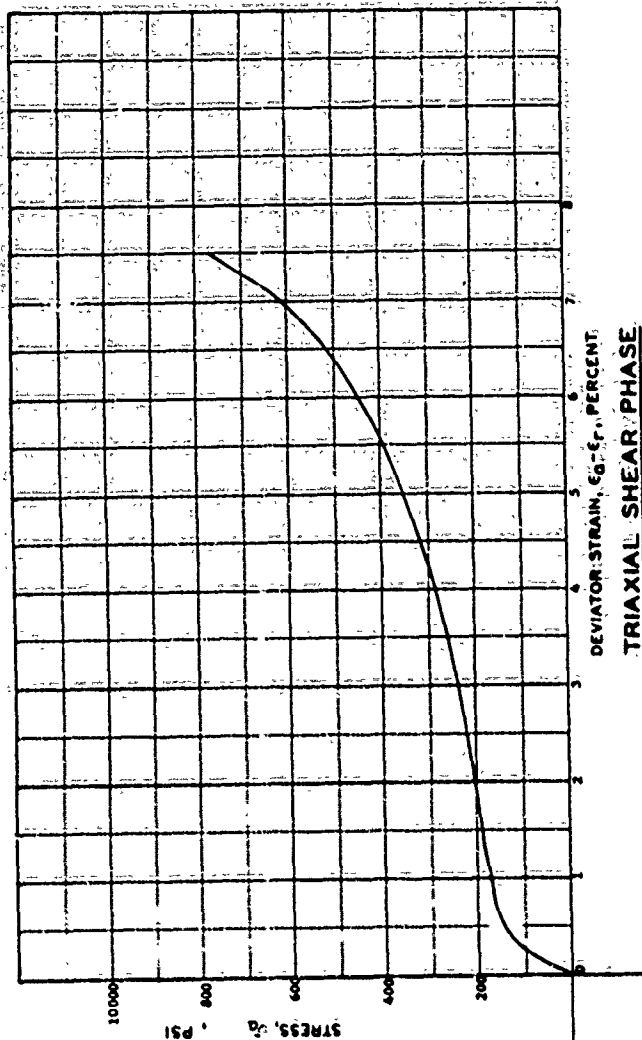
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT: Georgia Institute of Technology 3-602			
Contract No. MGS39-67-C-0051			
AREA		SAMPLE NO. 219	
BORING NO.	DEPTH	DATE	
LL 36	PL 17	PI 19	
DESCRIPTION: Matching S111/CLAY			
Constant Stress Ratio, $0.9$ ; Initial Pressure, $0.75$			
Cycle Shear @ 375			

WATER CONTENT	W	11.26	%
VOID RATIO	$e_0$	0.77	
SATURATION	$S_0$	59.57	%
DRY DENSITY	$\gamma_d$	95.27	PCF
WET DENSITY	$\gamma$	106.00	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.59	CM



### HYDROSTATIC COMPRESSION PHASE



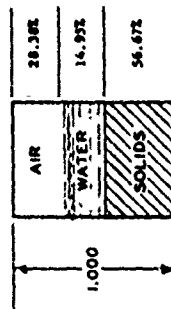
### TRIAXIAL SHEAR PHASE

HYDROSTATIC PRESSURE,  $p$ , PSI

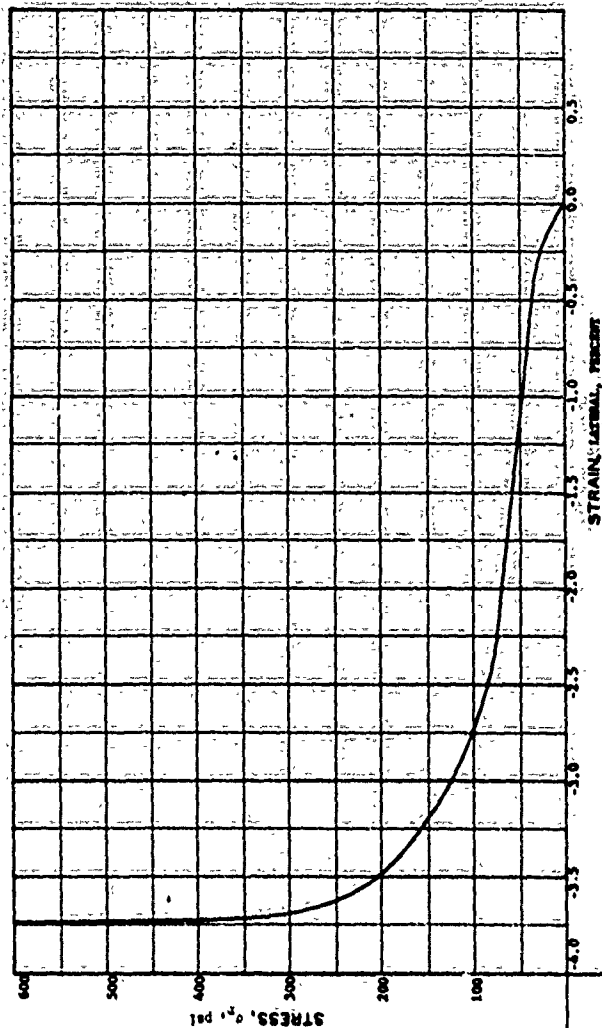
PROJECT Georgia Institute of Technology S-602			
Contract No. DCA39-67-C-0031			
AREA		SAMPLE NO. 219	
BORING NO.	DEPTH	DATE	
EL	PL	PL	PL
LL	36	PL	19
DESCRIPTION Machine Bill, C10			
Constant Stress Ratio, 0.9			
Initial Pressure, 0 psi			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	9.77 %
VOID RATIO	$e_0$	0.76
SATURATION	$S_0$	36.69 %
DRY DENSITY	$\gamma_d$	95.47 PCF
WET DENSITY	$\gamma$	106.80 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.31 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



### HYDROSTATIC COMPRESSION PHASE

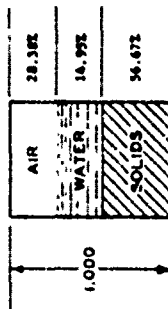


HYDROSTATIC PRESSURE, p, PSI

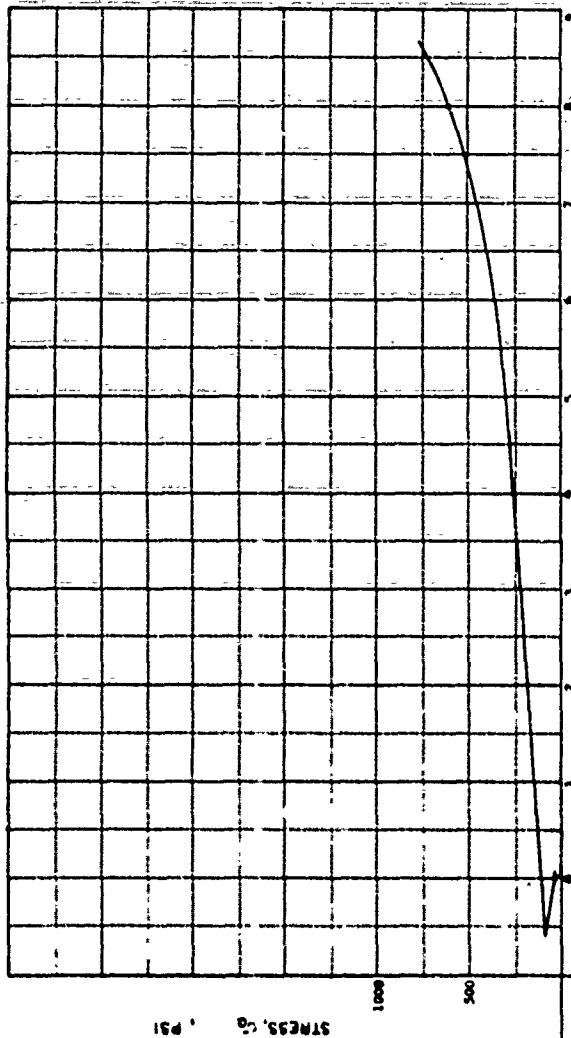
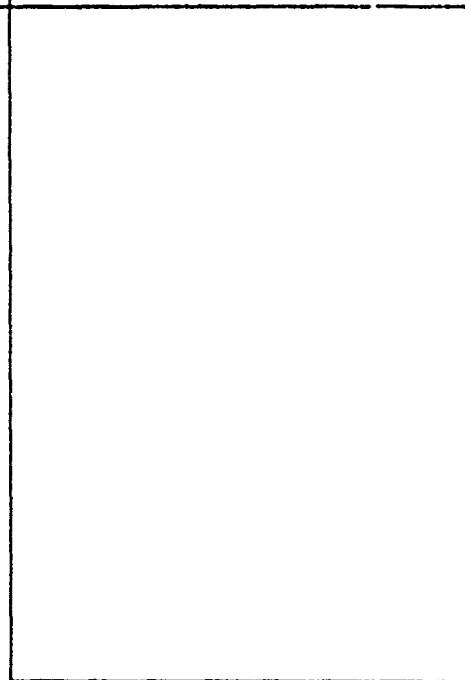
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT: Georgia Institute of Technology B-602	
Contract No. BMD39-67-C-0031	
AREA	
BORING NO.	SAMPLE NO. 221
DEPTH	DATE
EL.	
LL 36	PL 17
PL 19	
DESCRIPTION: Michien Hill Clay	
Constant Stress Ratio, 0.9	
Initial Pressure, 0 psi	

WATER CONTENT	W	9.77 %
VOID RATIO	$e_0$	0.76
SATURATION	$S_0$	34.49 %
DRY DENSITY	$\gamma_d$	95.67 PCF
WET DENSITY	$\gamma$	104.80 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.51 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



### HYDROSTATIC COMPRESSION PHASE



### TRIAxIAL SHEAR PHASE

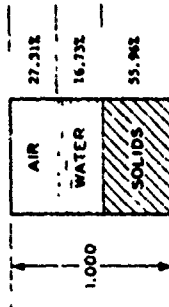
PROJECT <u>Georgia Institute of Technology B-602</u>			
Contract No. <u>DM019-67-C-0051</u>			
AREA		SAMPLE NO. <u>221</u>	
BORING NO.	DEPTH	DATE	
LL	36	PL	17
PL	19		
DESCRIPTION <u>Marble Hill Clay</u>			
Constant Stress Ratio <u>0.9</u>			
Initial Pressure <u>0 psi</u>			

HYDROSTATIC PRESSURE, p, PSI

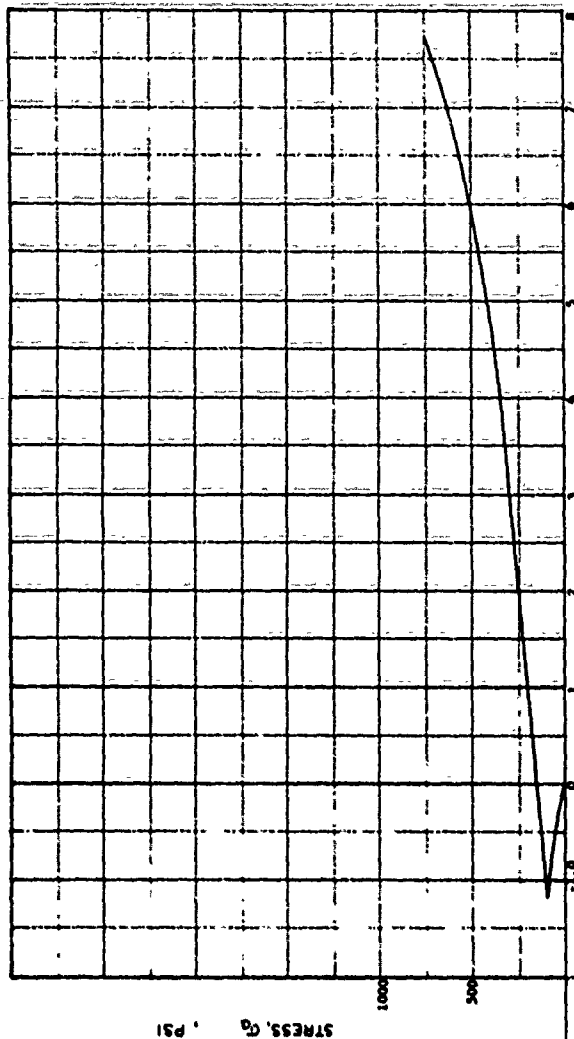
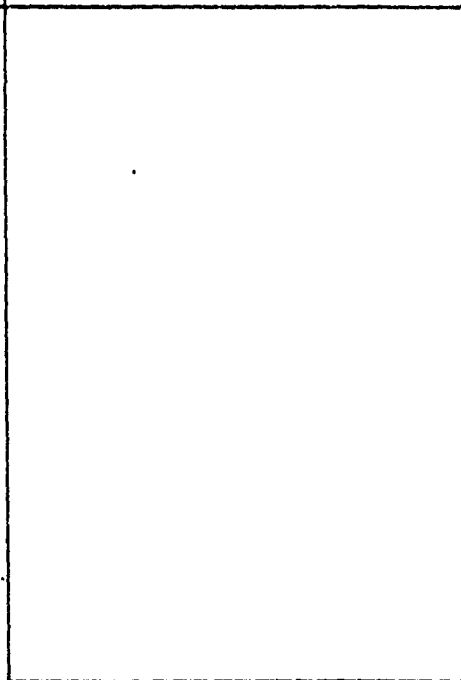
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



WATER CONTENT	W	11.07	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	37.98	%
DRY DENSITY	$\gamma_d$	94.28	PCF
WET DENSITY	$\gamma$	104.22	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.42	CM



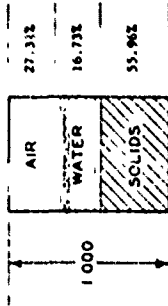
### HYDROSTATIC COMPRESSION PHASE



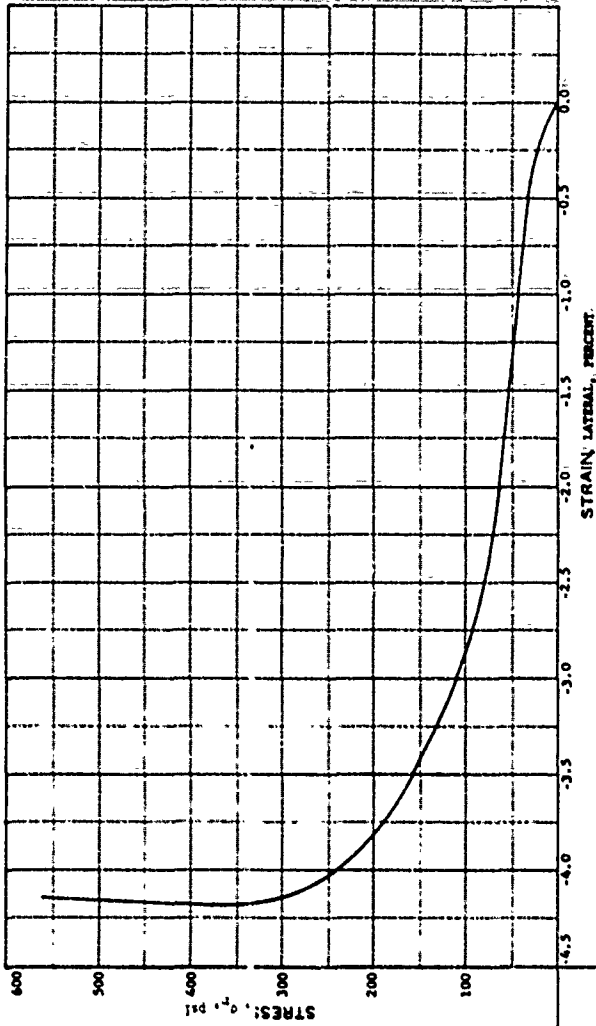
### TRIAxIAL SHEAR PHASE

PROJECT Georgia Institute of Technology, S-602			
Contract No. MCA38-67-C-0031			
AREA		SAMPLE NO. 340	
BORING NO.	DEPTH	DATE	
EL	PL 36	PI 17	PI 19
DESCRIPTION: Weiching Mill Clay			
Constant Stress Ratio, 0.9			
Initial Pressure, 0 psi			

WATER CONTENT	W	11.07 %
VOID RATIO	$e_0$	0.79
SATURATION	$S_0$	37.96 %
DRY DENSITY	$\gamma_d$	94.28 PCF
WET DENSITY	$\gamma$	104.72 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



### HYDROSTATIC COMPRESSION PHASE



HYDROSTATIC PRESSURE,  $p$ , PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology B-602			
Contract No. DCA39-67-C-0051			
AREA	SAMPLE NO. 340		
BORING NO.	DATE		
DEPTH	PL 36	PL 17	PL 19
EL	DESCRIPTION Matching Hill Clay		
Constant Stress Ratio, 0.9			
Initial Pressure, 0 psi			

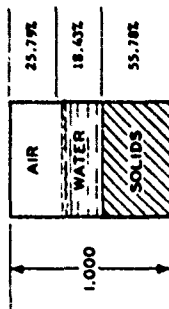
Group D

No-Lateral-Strain Tests

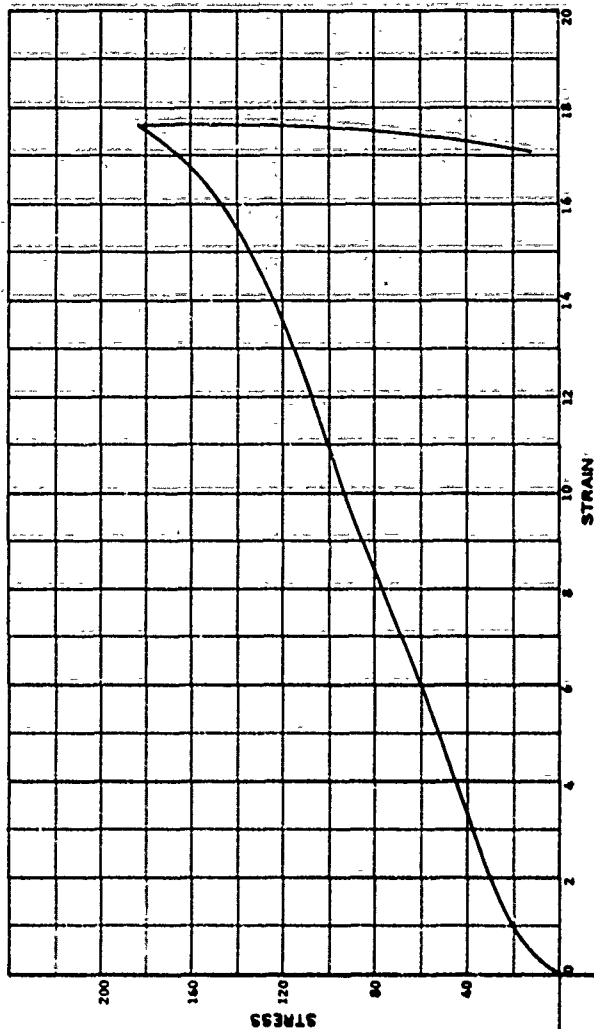
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WATER CONTENT	W	12.24 %
VOID RATIO	$e_0$	0.79
SATURATION	$S_0$	41.68 %
DRY DENSITY	$\gamma_d$	93.98 PCF
WET DENSITY	$\gamma$	105.48 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



### HYDROSTATIC COMPRESSION PHASE

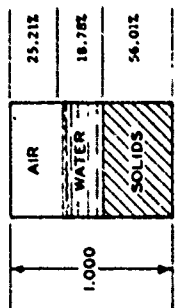


HYDROSTATIC PRESSURE,  $p$ , PSI

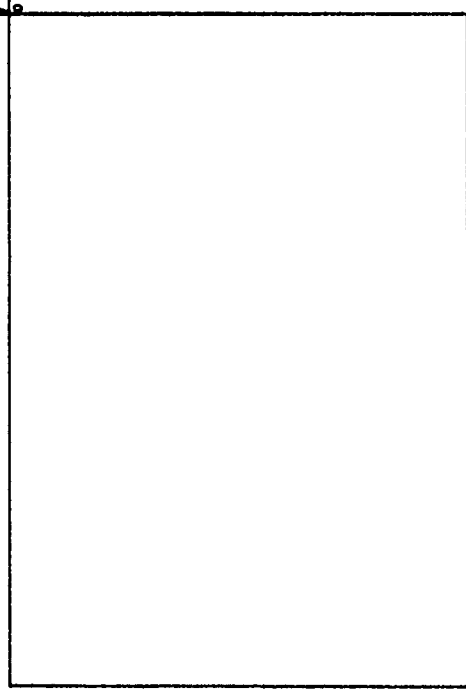
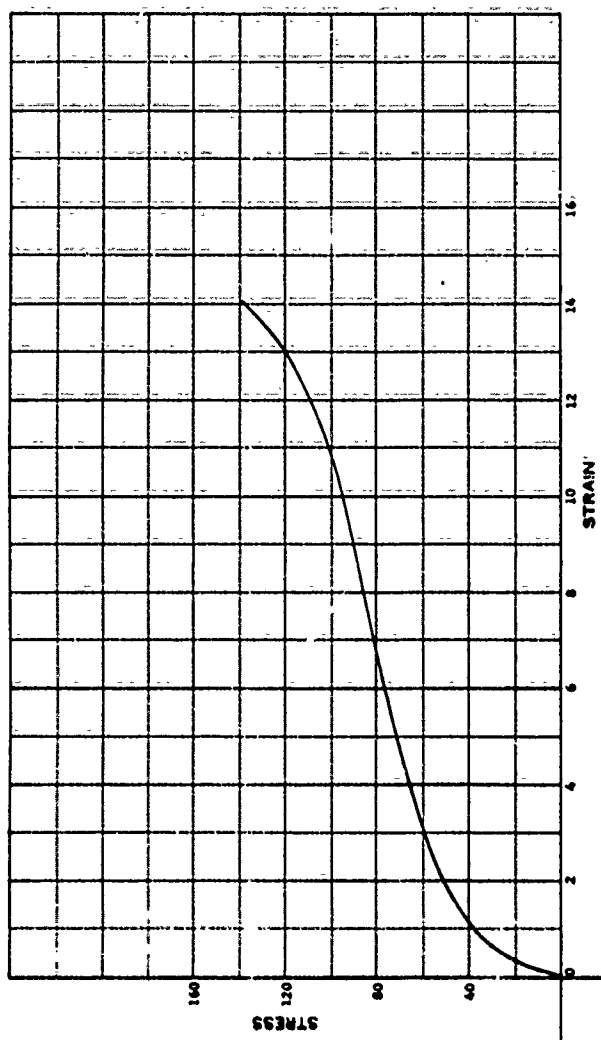
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT: Georgia Institute of Technology B-602			
Contract No. DMC39-47-C-0051			
AREA		SAMPLE NO. 228	
BORING NO.	DEPTH	DATE	
EL	LL 36	PL 17	PI 19
DESCRIPTION: Matching Mill Clay			
No. lateral Strain Triaxial Test			
Initial Confining Pressure 0 psi			

WATER CONTENT	W	12.42 %
VOID RATIO	$e_0$	0.79
SATURATION	$S_0$	42.49 %
DRY DENSITY	$\gamma_d$	94.36 PCF
WET DENSITY	$\gamma$	106.08 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.47 CM
SPECIMEN HEIGHT	$H_0$	7.64 CM



### HYDROSTATIC COMPRESSION PHASE

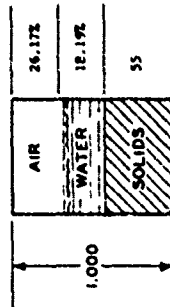


VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

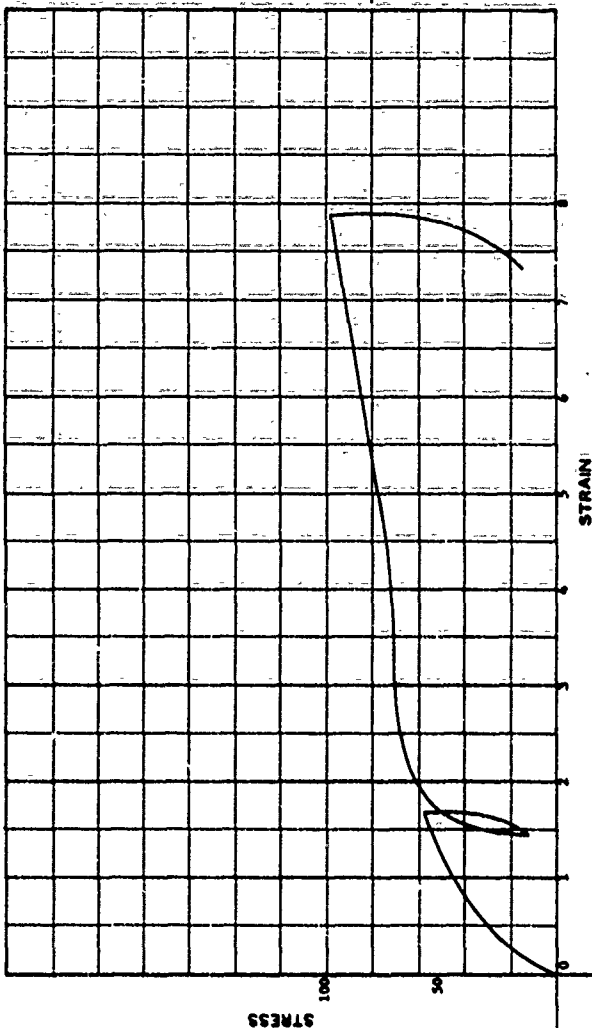
PROJECT Georgia Institute of Technology B-602			
Contract No. DMC39-47-G-0051			
AREA		SAMPLE NO. 235	
BORING NO.	DATE		
DEPTH	PL		PS
EL	36	17	19
DESCRIPTION Matching Hill Clay			
No. Lateral Strain Triaxial Test			
Initial Confining Pressure, 0 psi			

HYDROSTATIC PRESSURE, p, PSI

WATER CONTENT	W	12.11	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.00	%
DRY DENSITY	$\gamma_d$	93.75	PCF
WET DENSITY	$\gamma$	105.09	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.48	CM
SPECIMEN HEIGHT	$H_0$	7.66	CM



### HYDROSTATIC COMPRESSION PHASE

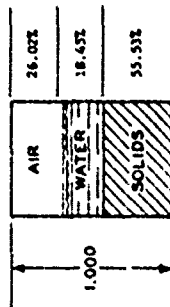


HYDROSTATIC PRESSURE,  $p$ , PSI

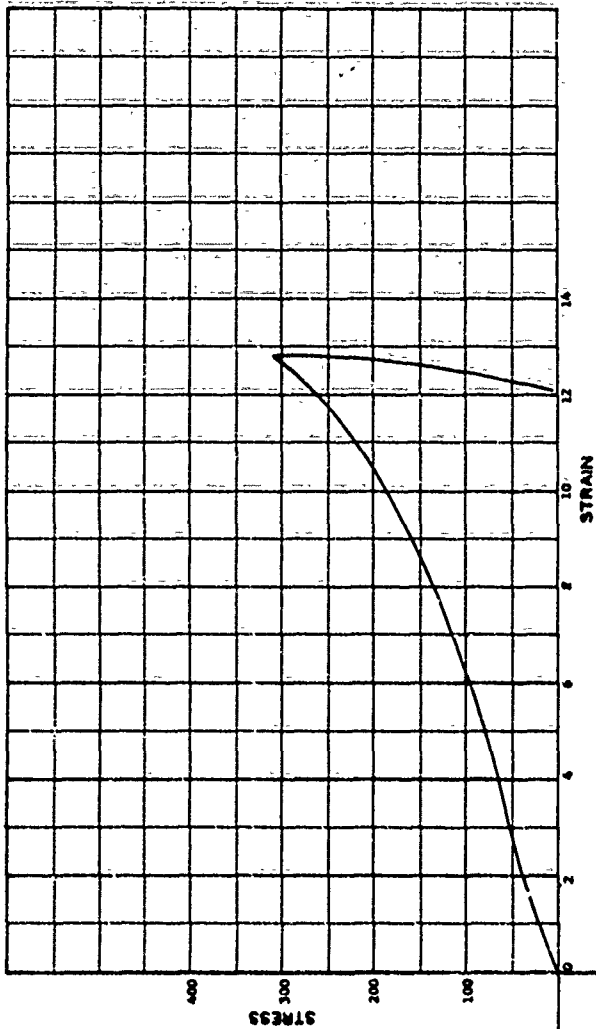
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology B-602			
Contract No. DCA39-67-G-0051			
AREA		SAMPLE NO. 241	
BORING NO.	DEPTH	DATE	
EL	PL	PI	19
DESCRIPTION Matching Hill Clay			
No Lateral Strain Triaxial Test, Initial Confining Pressure 0 psi			
Cycle Shear			

WATER CONTENT	W	12.30	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.49	%
DRY DENSITY	$\gamma_d$	93.56	PCF
WET DENSITY	$\gamma$	105.07	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
ORIGINAL HEIGHT	$H_0$	7.62	CM



# HYDROSTATIC COMPRESSION PHASE

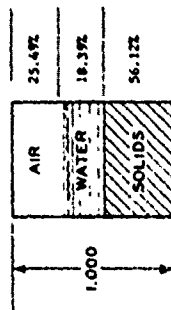


HYDROSTATIC PRESSURE, P, PSI

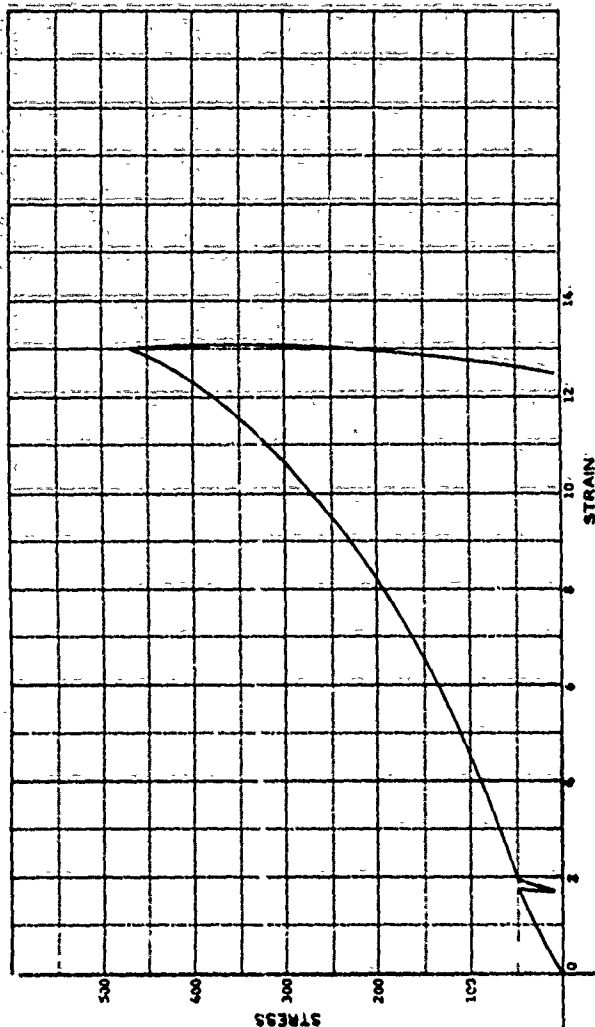
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology B-602			
Contract No. DMC-39-67-C-0091			
AREA		SAMPLE NO. 226	
BORING NO.		DATE	
DEPTH		PL 17	
EL		PL 19	
DESCRIPTION Matching Mill Clay			
No Lateral Strain Triaxial Test			
Initial Confining Pressure, 100 psi			

WATER CONTENT	W	12.13	%
VOID RATIO	$e_0$	0.78	
SATURATION	$S_0$	41.90	%
DRY DENSITY	$\gamma_d$	94.55	PCF
WET DENSITY	$\gamma$	106.02	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.55	CM



### HYDROSTATIC COMPRESSION PHASE



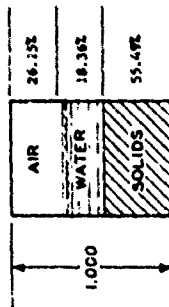
HYDROSTATIC PRESSURE,  $p$ , PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

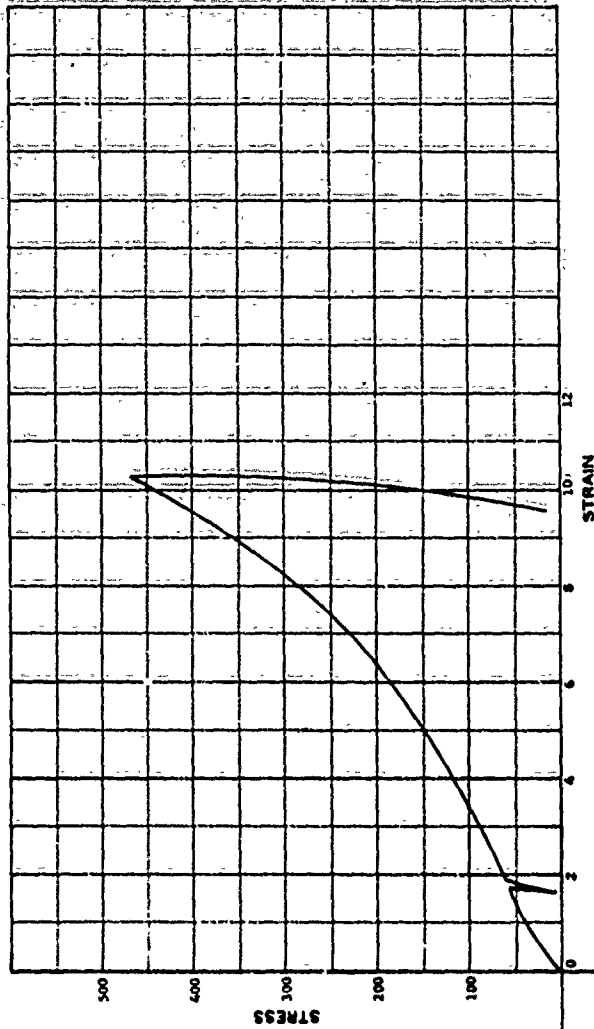
PROJECT Georgia Institute of Technology J-602			
Contract No. DAC39-67-C-0051			
AREA		SAMPLE NO. 243	
BORING NO.	DATE	DATE	
DEPTH	PL 17	PI 19	
LL 36	DESCRIPTION Matching Mill Clay		
No Lateral Strain Triaxial Test, Initial Confining Pressure 100 psi.			
Cycle Shear			



WATER CONTENT	W	12.25	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.26	%
DRY DENSITY	$\gamma_d$	93.49	PCF
WET DENSITY	$\gamma$	105.95	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.64	CM



### HYDROSTATIC COMPRESSION PHASE



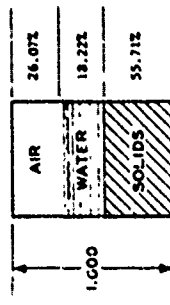
HYDROSTATIC PRESSURE,  $p$ , PSI

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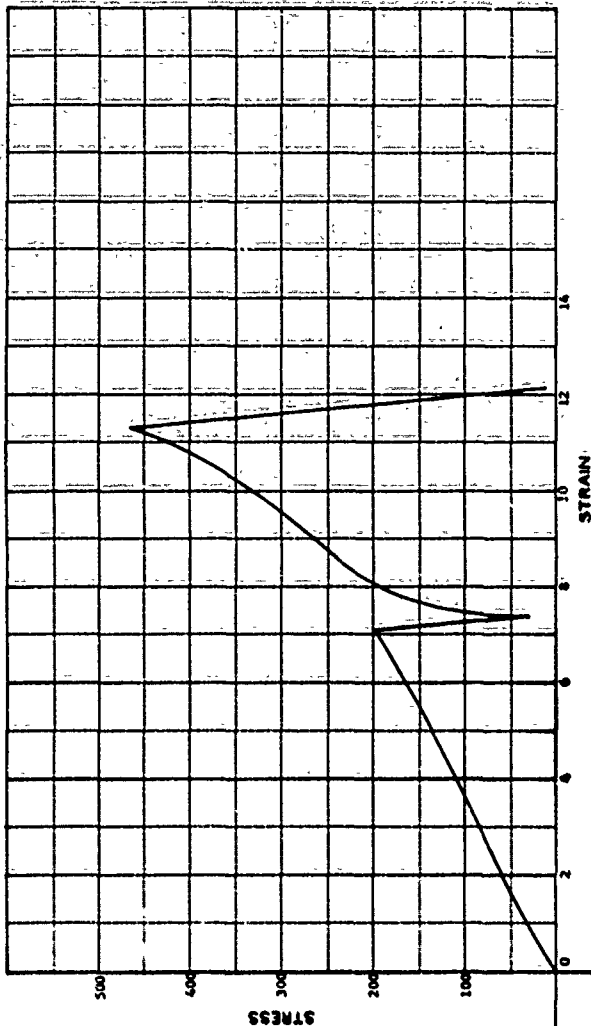
PROJECT: Georgia Institute of Technology B-602			
Contract No. DAC39-67-C-0031			
AREA		SAMPLE NO. 232	
BORING NO.	DEPTH	DATE	
LL 36	PL 17	PI 19	
DESCRIPTION: Matching K111 Clay			
No Lateral Strain Triaxial Test, Initial Confining Pressure 100/psf			
Cycle Shear			

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	12.11	%
VOID RATIO	$e_0$	0.40	
SATURATION	$S_0$	41.13	%
DRY DENSITY	$\gamma_d$	93.85	PCF
WET DENSITY	$\gamma$	105.22	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE

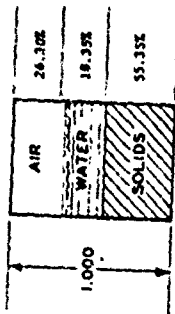


HYDROSTATIC PRESSURE, P, PSI

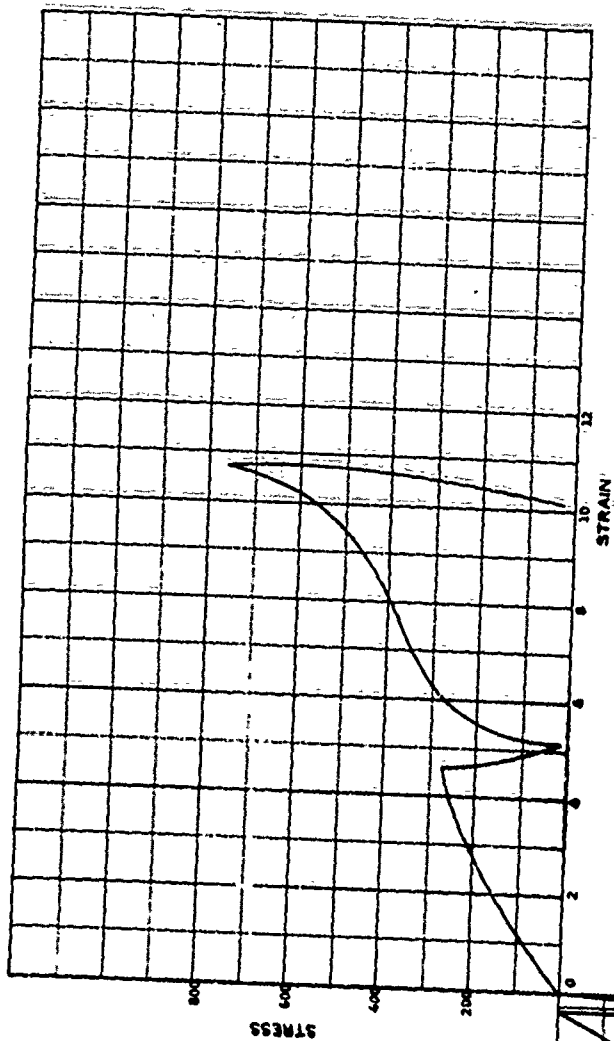
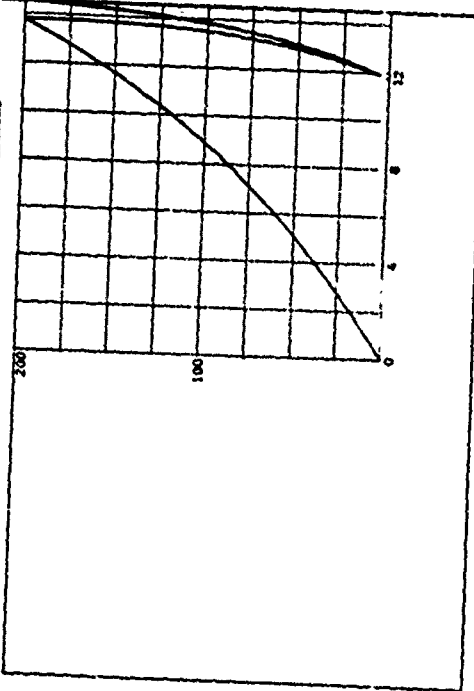
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology 3-602			
Contract No. DCAAP-57-5-0031			
AREA		SAMPLE NO. 245	
BORING NO.	DEPTH	DATE	
LL	36	PL	17
		PI	19
DESCRIPTION Matching Mill Clay			
No Lateral Strain Triaxial Test, Initial Confining Pressure 100 psi			
Cycle Shear			

WATER CONTENT	W	12.28	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_0$	41.11	%
DRY DENSITY	$\gamma_d$	93.25	PCF
WET DENSITY	$\gamma$	104.71	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



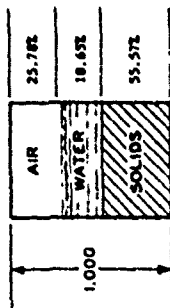
### HYDROSTATIC COMPRESSION PHASE



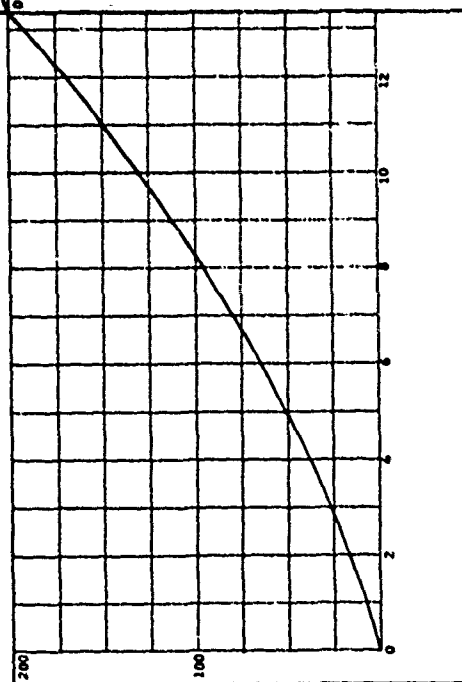
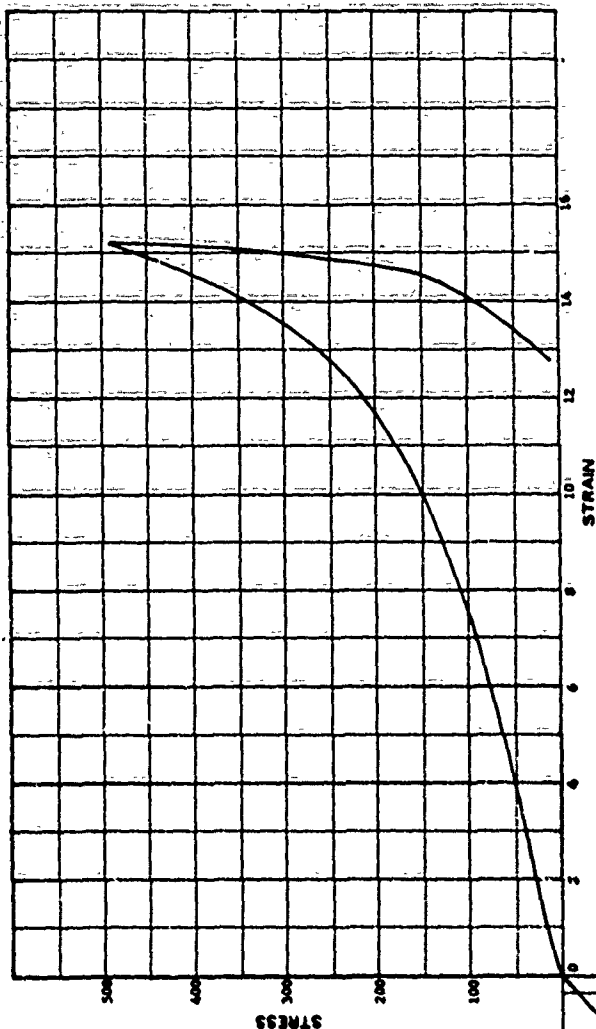
PROJECT Georgia Institute of Technology B-602			
Contract No. DCA39-67-C-0093			
AREA		SAMPLE NO. 229	
BORING NO.		DATE	
LL 36	PL 17	PI 19	
DESCRIPTION MISSISSIPPI CLAY			
No Lateral Strain Triaxial Test, Initial Confining Pressure 200/psi			
Cycle Shear, Cycle Compression			

HYDROSTATIC PRESSURE, p, PSI

WATER CONTENT	W	12.43	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.98	%
DRY DENSITY	$\gamma_d$	93.63	PCF
WET DENSITY	$\gamma$	105.27	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.64	CM



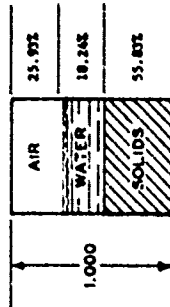
# HYDROSTATIC COMPRESSION PHASE



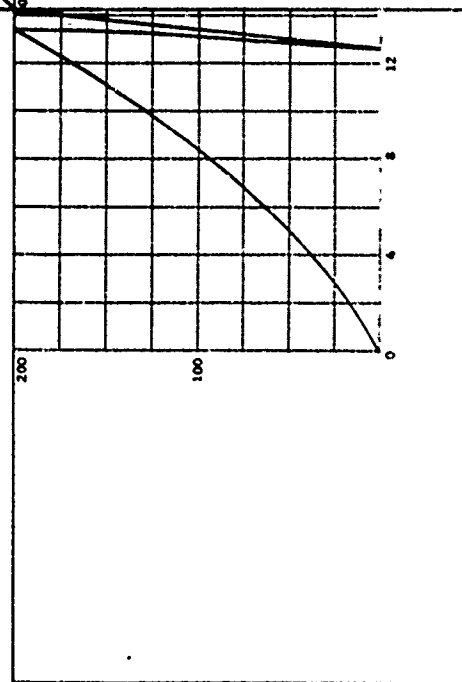
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

PROJECT Georgia Institute of Technology 3-602			
Contract No. DMC33-67-C-0051			
AREA			
BORING NO.	SAMPLE NO. 236		
DEPTH	DATE		
EL.	PL	17	PI 19
DESCRIPTION Wetland Building			
No. Lateral Strain-Triaxial Test			
Initial Confining Pressure, 200 psi			

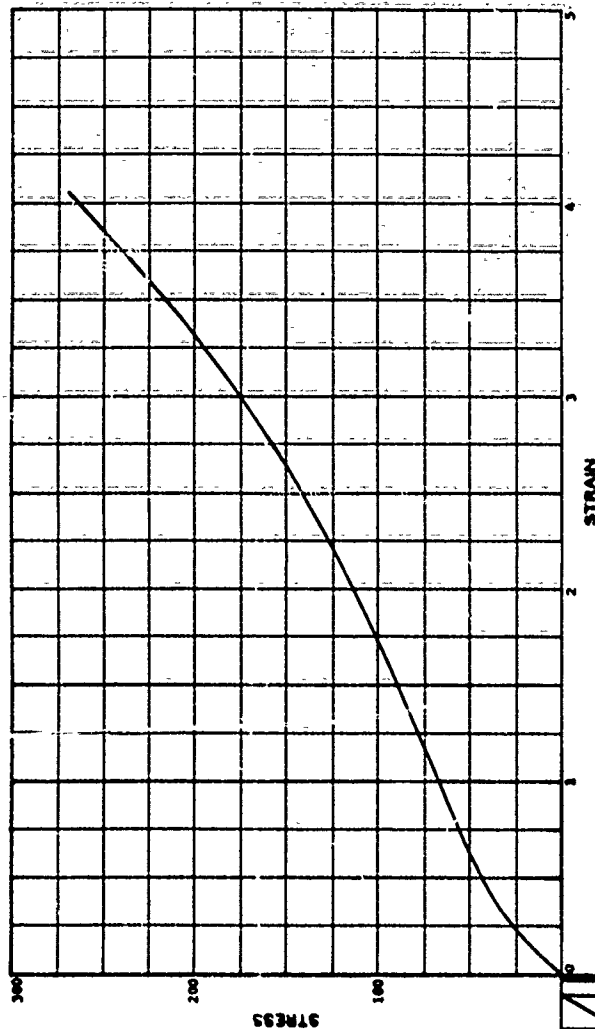
WATER CONTENT	W	12.10	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	41.29	%
DRY DENSITY	$\gamma_d$	96.07	PCF
WET DENSITY	$\gamma$	105.45	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.59	CM



### HYDROSTATIC COMPRESSION PHASE

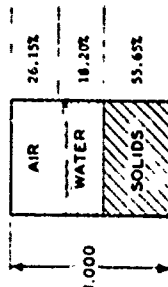


VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

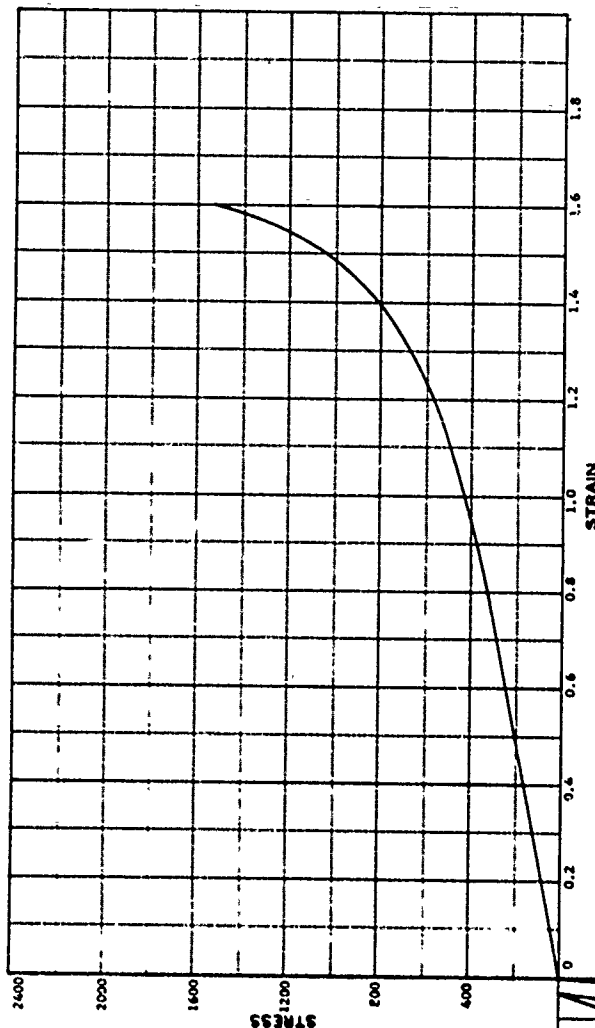
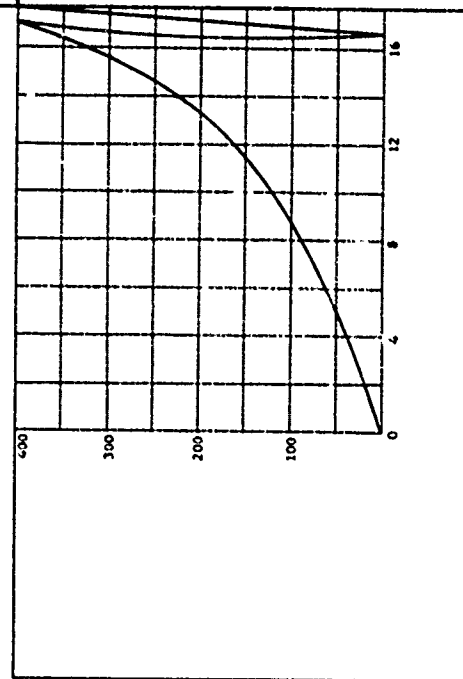


PROJECT Georgia Institute of Technology R-602			
Contract No. DCA39-67-G-0031			
AREA		SAMPLE NO. 247	
BORING NO.	DEPTH	DATE	
LL 36	PL 17	PI 19	
DESCRIPTION: Matching Hill Clay			
No. Lateral Strain Triaxial Test			
Initial Confining Pressure, 200 psi. Cyclic Compression.			

WATER CONTENT		W	12.11	%
VOID RATIO		$e_0$	0.80	
SATURATION		$S_0$	41.04	%
DRY DENSITY		$\gamma_d$	93.76	PCF
WET DENSITY		$\gamma$	105.12	PCF
SPECIFIC GRAVITY		$G_s$	2.70	
SPECIMEN DIAMETER		$D_0$	3.50	CM
SPECIMEN HEIGHT		$H_0$	7.61	CM



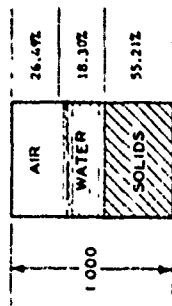
# HYDROSTATIC COMPRESSION PHASE



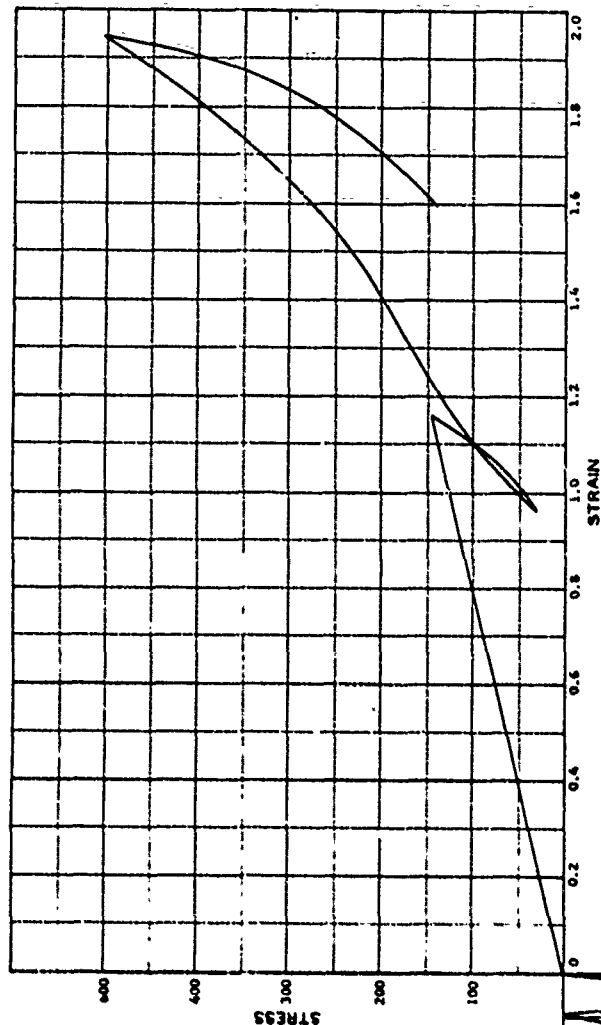
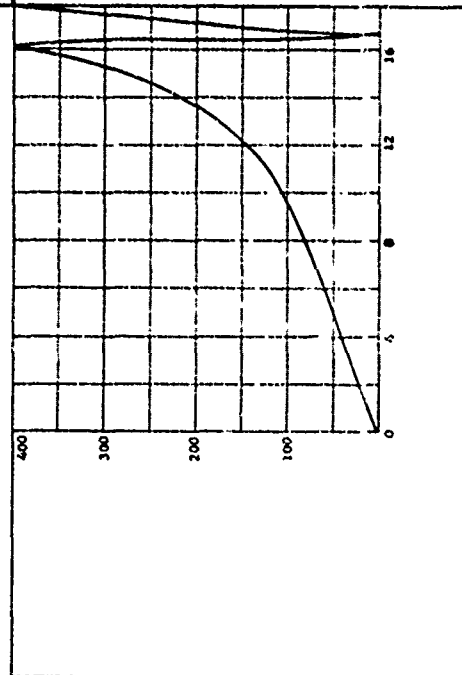
PROJECT Georgia Institute of Technology E-602			
Contract No. DACA39-67-C-0051			
AREA		SAMPLE NO. 246	
BORING NO.	DEPTH	DATE	
LL 36	PL 17	PI 19	
DESCRIPTION Matching Hill Clay - No Lateral Strain Test -			
Initial Confining Pressure 400 psi.			
Cycle Compression			

HYDROSTATIC PRESSURE, P, PSI

WATER CONTENT	W	12.28	%
VOID RATIO	$e_0$	0.81	
SATURATION	$S_0$	40.86	%
DRY DENSITY	$\gamma_d$	93.02	PCF
WET DENSITY	$\gamma$	106.44	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.53	CM



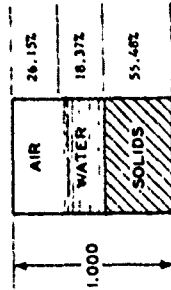
# HYDROSTATIC COMPRESSION PHASE



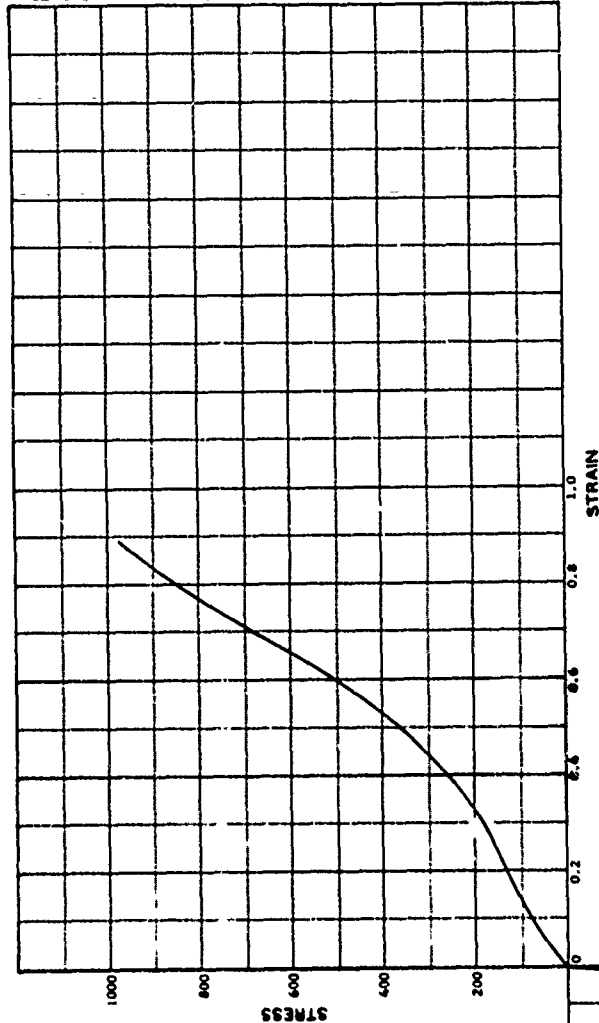
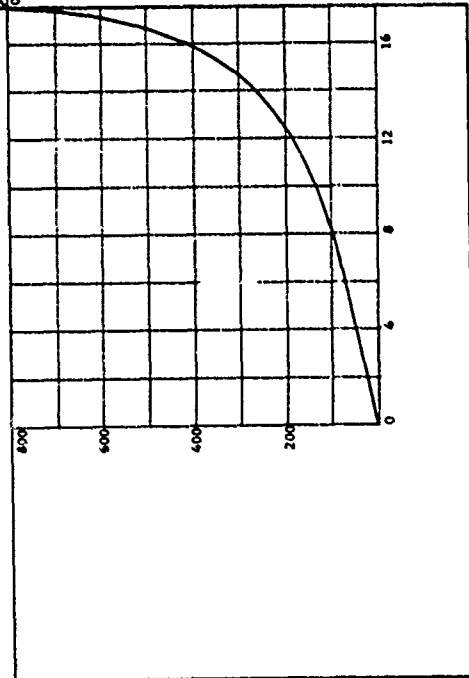
PROJECT Georgia Institute of Technology B-602			
Contract No. DMC39-67-C-0051			
AREA		SAMPLE NO. 281	
BORING NO.		DATE	
DEPTH		PL 17	
EL		PI 19	
DESCRIPTION <u>Wichling Hill Clay</u>			
No Lateral Strain Triaxial Test, Initial Confining Pressure 400 psi			
Cycle Shear, Cycle Compression			

HYDROSTATIC PRESSURE, P, PSI

WATER CONTENT	W	2.27	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.27	%
DRY DENSITY	$\gamma_d$	93.67	PCF
WET DENSITY	$\gamma$	104.94	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.64	CM



# HYDROSTATIC COMPRESSION PHASE



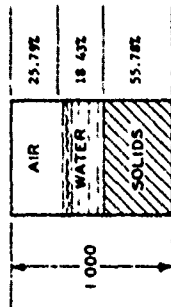
HYDROSTATIC PRESSURE, p, PSI

PROJECT Georgia Institute of Technology B-602			
Contract No. DMC39-67-C-0051			
AREA		SAMPLE NO. 223	
BORING NO.	DEPTH	DATE	
LL 36	PL 17	PI 19	
DESCRIPTION Matching Mill Clay			
No. Lateral Strain Triaxial Test			
Initial Confining Pressure, 800 psi			

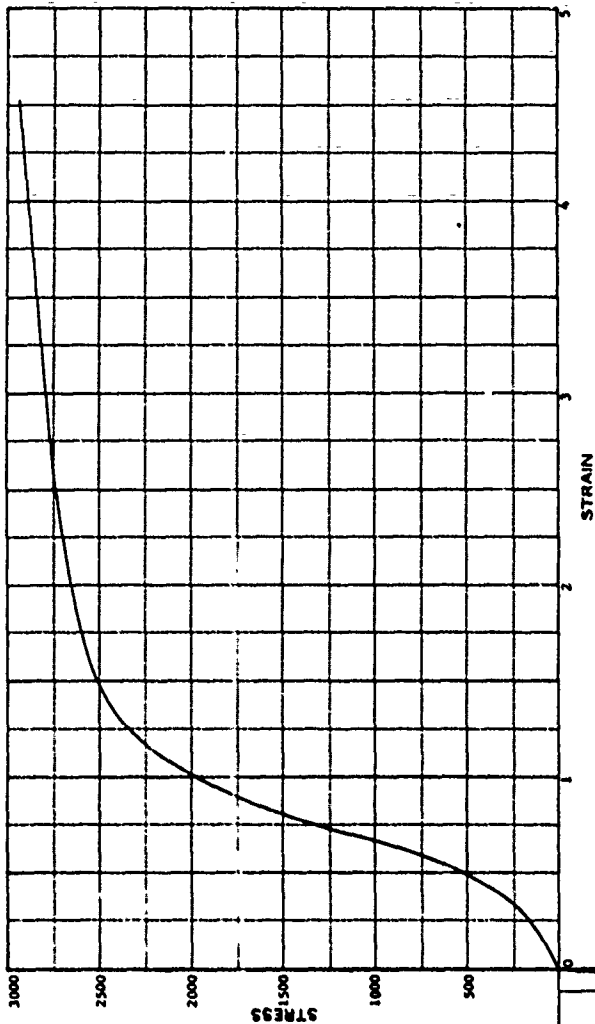
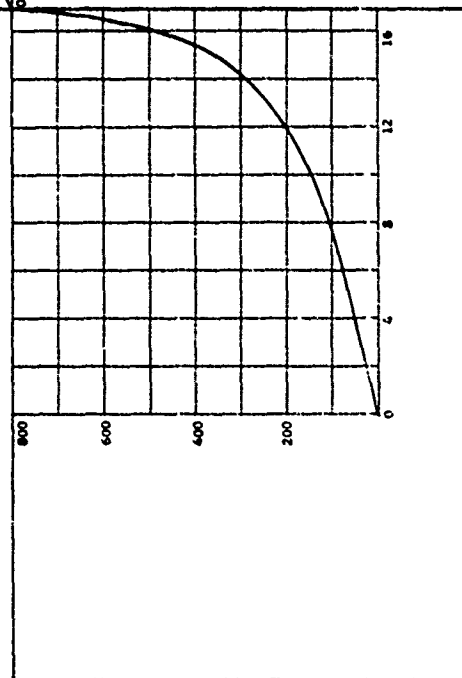
VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



WATER CONTENT	W	12.24	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	41.68	%
DRY DENSITY	$\gamma_d$	93.98	PCF
WET DENSITY	$\gamma$	105.68	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.48	CM
SPECIMEN HEIGHT	$H_0$	7.64	CM

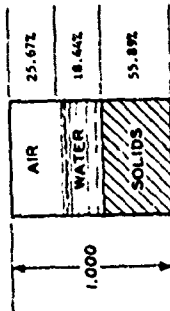


### HYDROSTATIC COMPRESSION PHASE

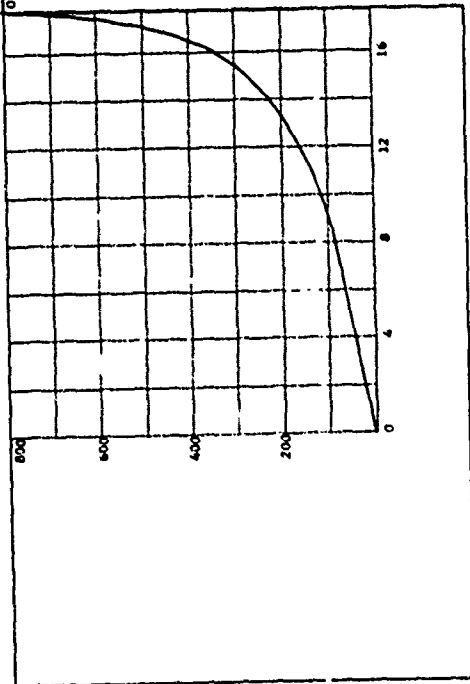
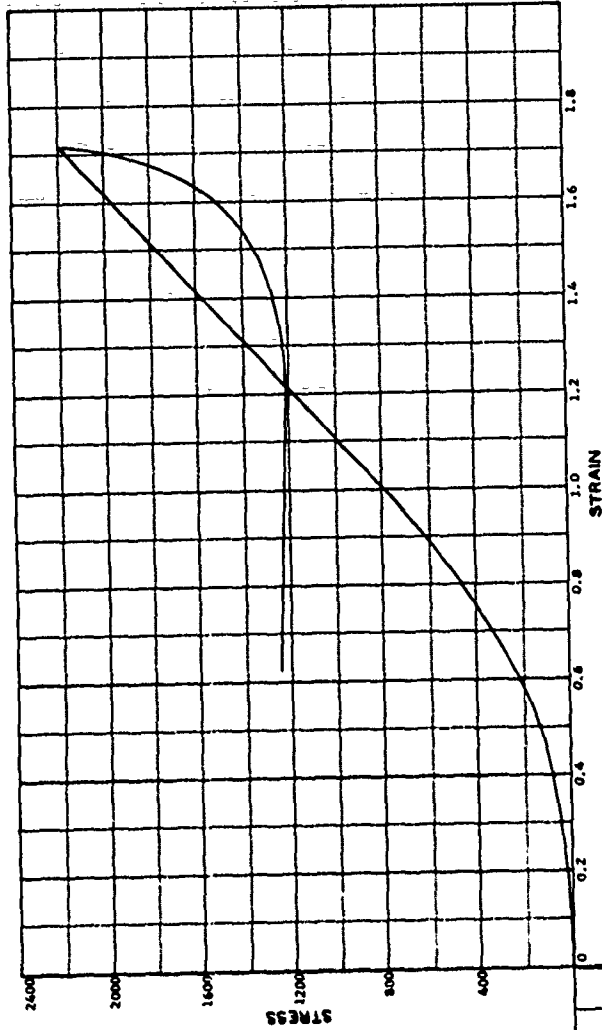


PROJECT Georgia Institute of Technology J-602			
Contract No. DMC39-67-C-0051			
AREA		SAMPLE NO. 225	
BORING NO.	DEPTH	DATE	
LL 36	PL 17	PI 19	
DESCRIPTION Matching Bill Clay			
No Lateral Strain Triaxial Test			
Initial Confining Pressure, 800 psi			

WATER CONTENT	W	12.22	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	41.80	%
DRY DENSITY	$\gamma_d$	94.17	PCF
WET DENSITY	$\gamma$	105.67	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



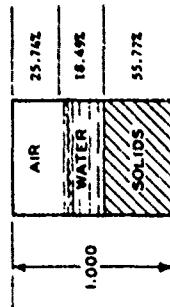
### HYDROSTATIC COMPRESSION PHASE



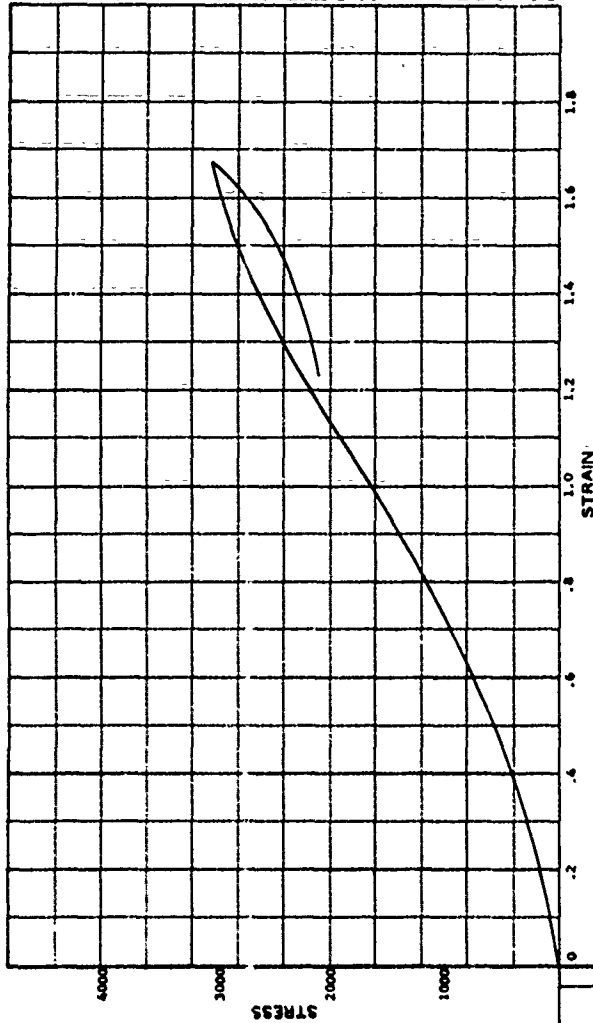
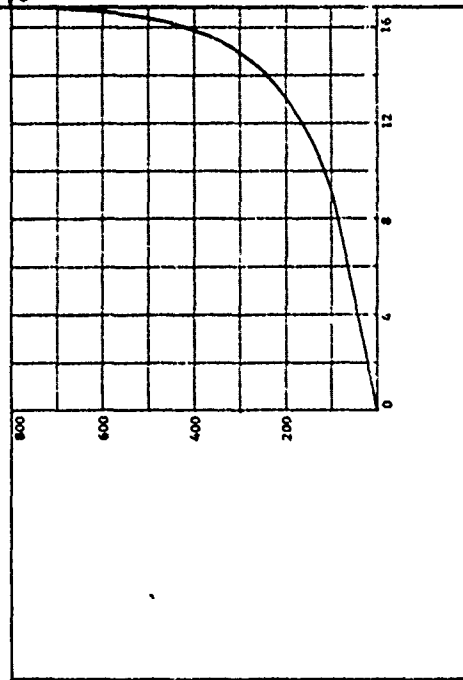
HYDROSTATIC PRESSURE, P, PSI

PROJECT Georgia Institute of Technology B-602			
Contract No. DMC39-67-C-0031			
AREA	BORING NO.	SAMPLE NO. 226	
DEPTH	EL	DATE	
LL 36	PL 17	PI 19	
DESCRIPTION Matching Mill Clay			
No Lateral Strain Triaxial Test			
Initial Confining Pressure, 800 psi			

WATER CONTENT	W	12.28	%
VOID RATIO	$e_0$	0.73	
SATURATION	$S_0$	41.80	%
DRY DENSITY	$\gamma_d$	93.97	PCF
WET DENSITY	$\gamma$	105.50	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.58	CM



### HYDROSTATIC COMPRESSION PHASE

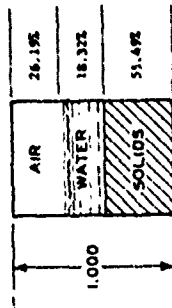


PROJECT Georgia Institute of Technology E-602			
Contract No. DCA39-67-C-0031			
AREA		SAMPLE NO. 27	
BORING NO.		DATE	
DEPTH	PL	PL	PL
EL	36	17	19
DESCRIPTION Machine Kill Clay			
No Lateral Strain Triaxial Test			
Initial Confining Pressure, 800 psi			

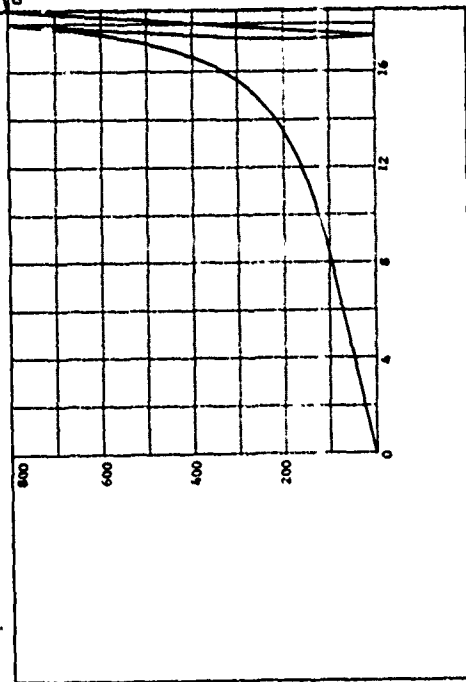
HYDROSTATIC PRESSURE, p, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

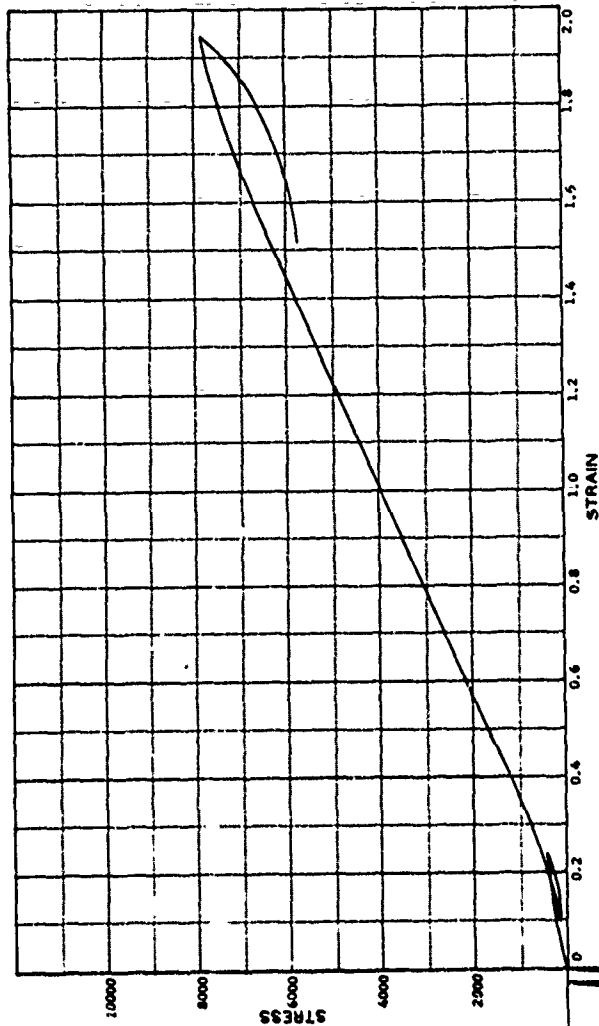
WATER CONTENT	W	12.23	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.15	%
DRY DENSITY	$\gamma_d$	93.49	PCF
WET DENSITY	$\gamma$	104.92	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.63	CM



### HYDROSTATIC COMPRESSION PHASE

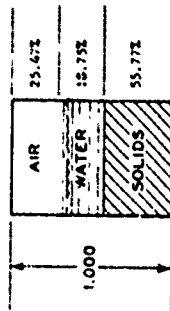


VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

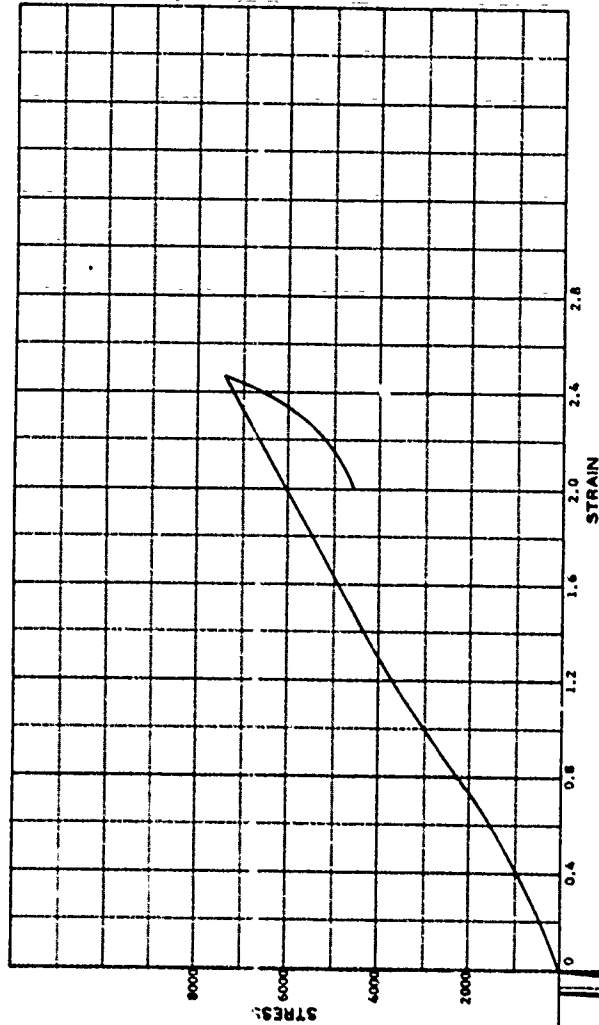
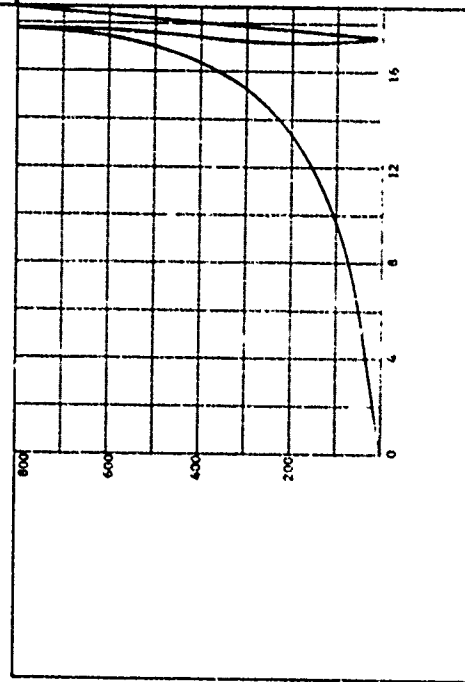


PROJECT Georgia Institute of Technology 8-602			
Contract No. DCA39-67-C-0051			
BORING NO.		SAMPLE NO. 239	
DEPTH		DATE	
LL	36	PL	17
EL		PI	19
DESCRIPTION Matching Hill Clay			
No Lateral Strain Triaxial Test, Initial Confining Pressure 800 psi			
Cycle Shear, Cycle Compression			

WATER CONTENT	W	12.45	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	42.40	%
DRY DENSITY	$\gamma_d$	93.96	PCF
WET DENSITY	$\gamma$	105.67	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.49	CM
SPECIMEN HEIGHT	$H_0$	7.60	CM

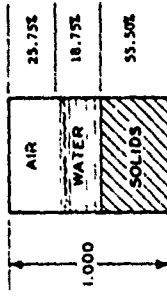


### HYDROSTATIC COMPRESSION PHASE

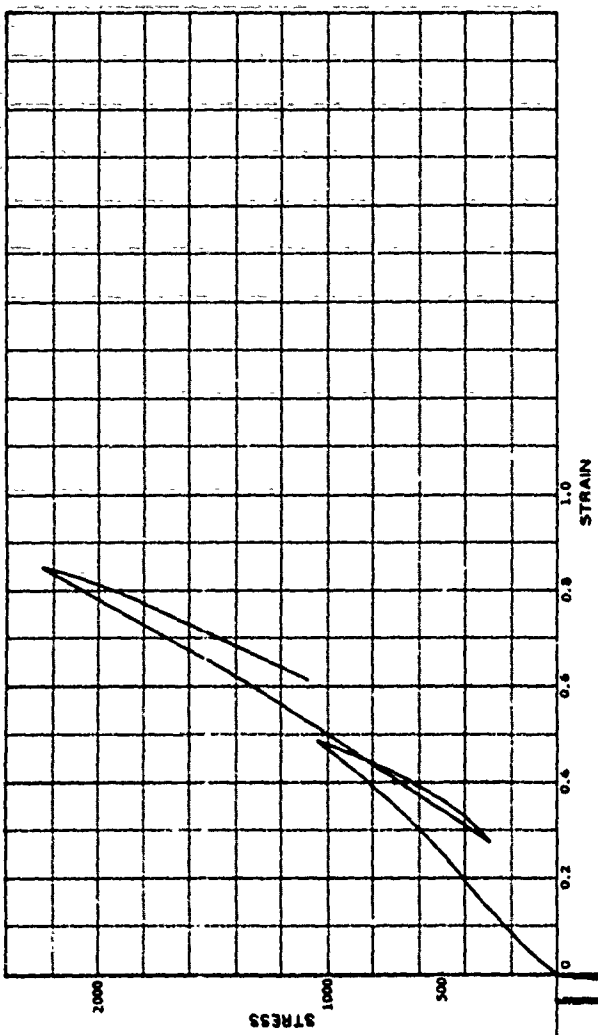
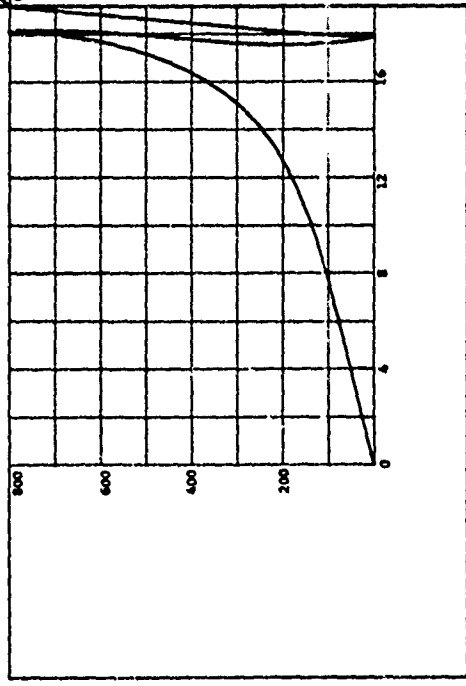


PROJECT Georgia Institute of Technology B-602			
Contract No. DMCAS-67-C-0031			
AREA		SAMPLE NO. 270	
BORING NO.	DEPTH	DATE	
LL 36	PL 17	PL 19	
DESCRIPTION Kitching Mill Clay - No Lateral Strain Triaxial Test -			
Initial Confining Pressure, 800 psi			
Cycle Compression			

WATER CONTENT	W	12.31 %
VOID RATIO	$e_0$	0.80
SATURATION	$S_0$	42.13 %
DRY DENSITY	$\gamma_d$	93.31 PCF
WET DENSITY	$\gamma$	105.21 PCF
SPECIFIC GRAVITY	$G_s$	2.70
SPECIMEN DIAMETER	$D_0$	3.49 CM
SPECIMEN HEIGHT	$H_0$	7.62 CM



# HYDROSTATIC COMPRESSION PHASE

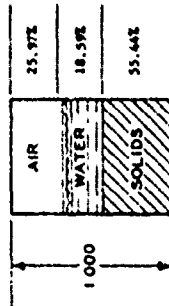


PROJECT Georgia Institute of Technology B-602			
Contract No. DCA39-67-C-0031			
AREA		SAMPLE NO. 282	
BORING NO.	DEPTH	DATE	
LL 36	PL 17	PI 19	
DESCRIPTION <u>Marble Hill Clay</u>			
No Lateral Strain Triaxial Test, Initial Confining Pressure 800 psi			
Cycle Shear, Cycle Compression			

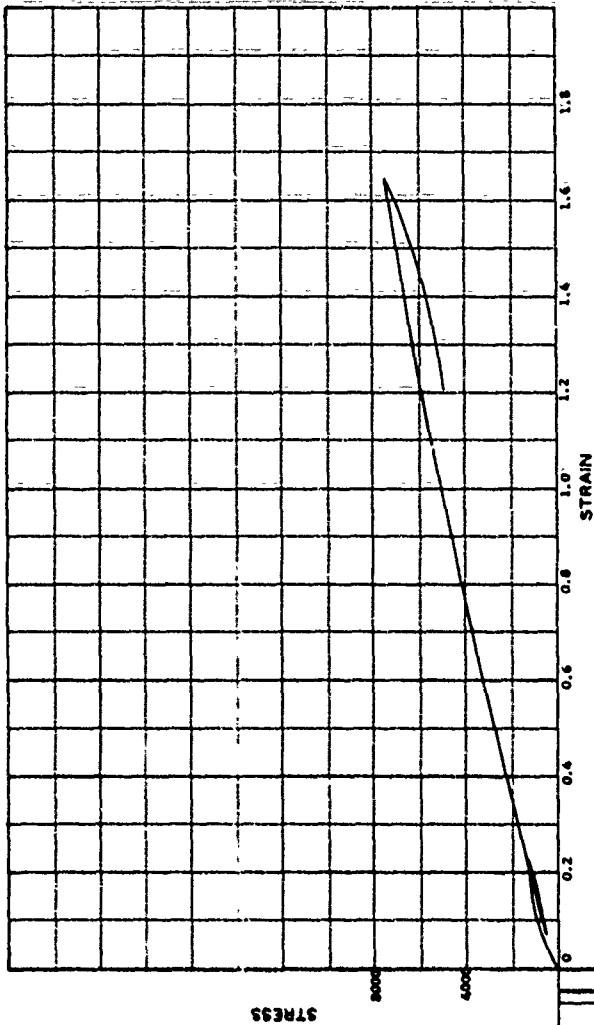
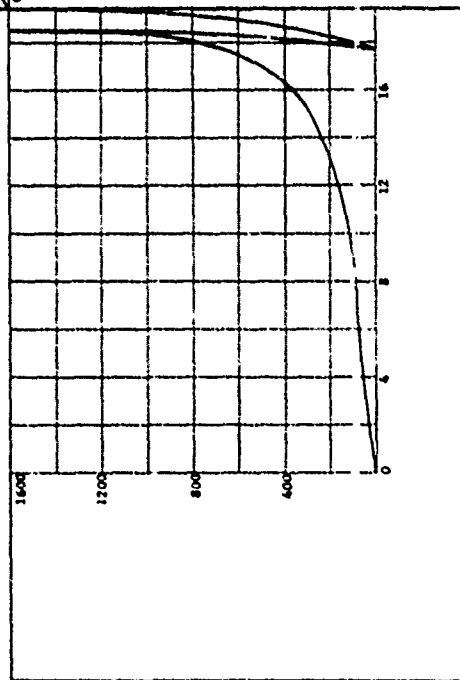
HYDROSTATIC PRESSURE, p, PSI

VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT

WATER CONTENT	W	12.42	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.72	%
DRY DENSITY	$\gamma_d$	93.40	PCF
WET DENSITY	$\gamma$	105.00	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_0$	3.50	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM

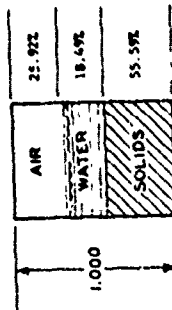


### HYDROSTATIC COMPRESSION PHASE

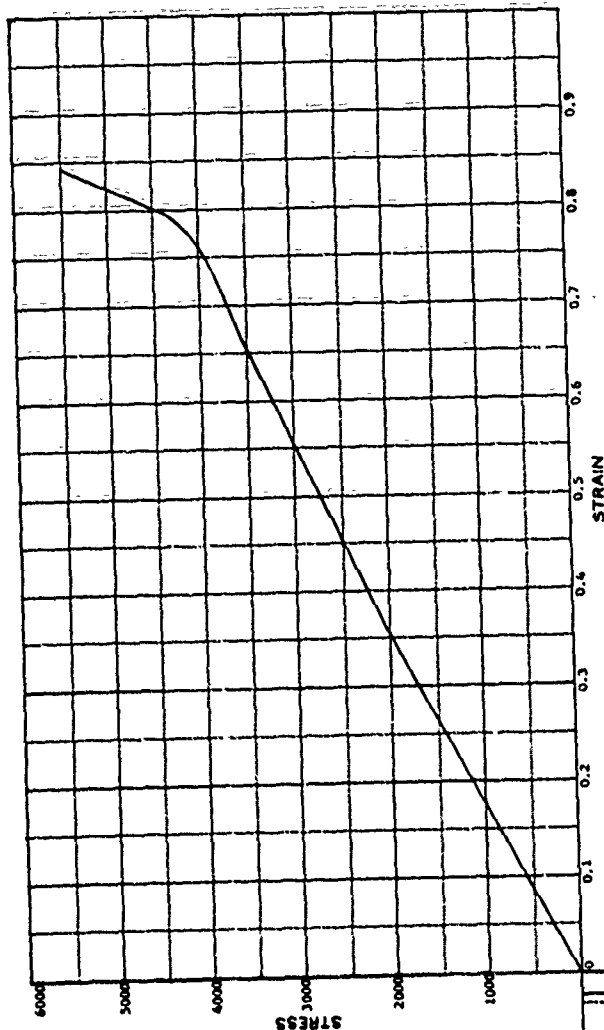
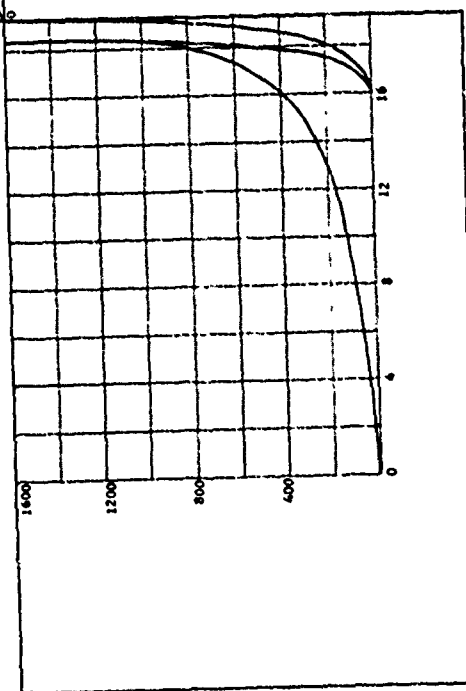


PROJECT Georgia Institute of Technology B-602			
Contract No. DCA39-67-C-0031			
AREA		SAMPLE NO. 27:	
BORING NO.	DATE	PL	PI
DEPTH	EL	17	19
DESCRIPTION Michoud Hill Clay			
No Lateral Strain Triaxial Test, Initial Confining Pressure, 1600, psi			
Cycle Shear, Cycle Compression			

WATER CONTENT	W	12.32	%
VOID RATIO	$e_0$	0.80	
SATURATION	$S_0$	41.64	%
DRY DENSITY	$\gamma_d$	93.66	PCF
WET DENSITY	$\gamma$	105.20	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
--- MEN DIAMETER	$D_0$	3.20	CM
SPECIMEN HEIGHT	$H_0$	7.42	CM



### HYDROSTATIC COMPRESSION PHASE

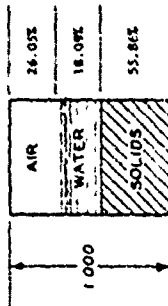


HYDROSTATIC PRESSURE,  $p$ , PSI

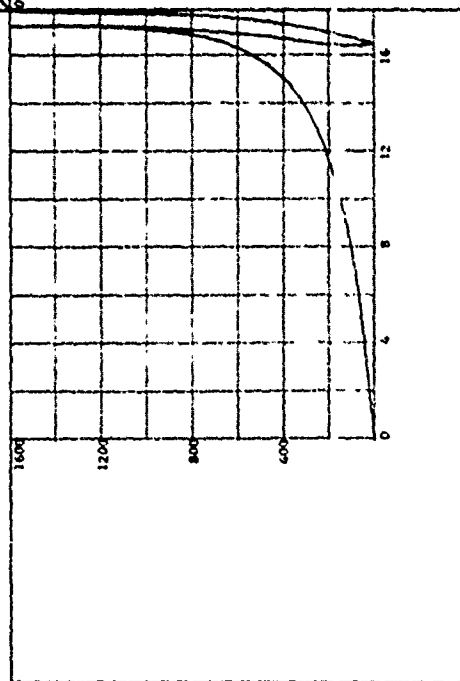
PROJECT Georgia Institute of Technology B-602			
Contract No. DCA39-67-C-0051			
AREA		SAMPLE NO. 323	
BORING NO.	DEPTH	DATE	
EL	PL	PL	PL
LL	36	17	19
DESCRIPTION Matching Hill Clay			
No Lateral Strain Triaxial Test - Initial/Confining Pressure, 1600 psi			
Cycle Compression			



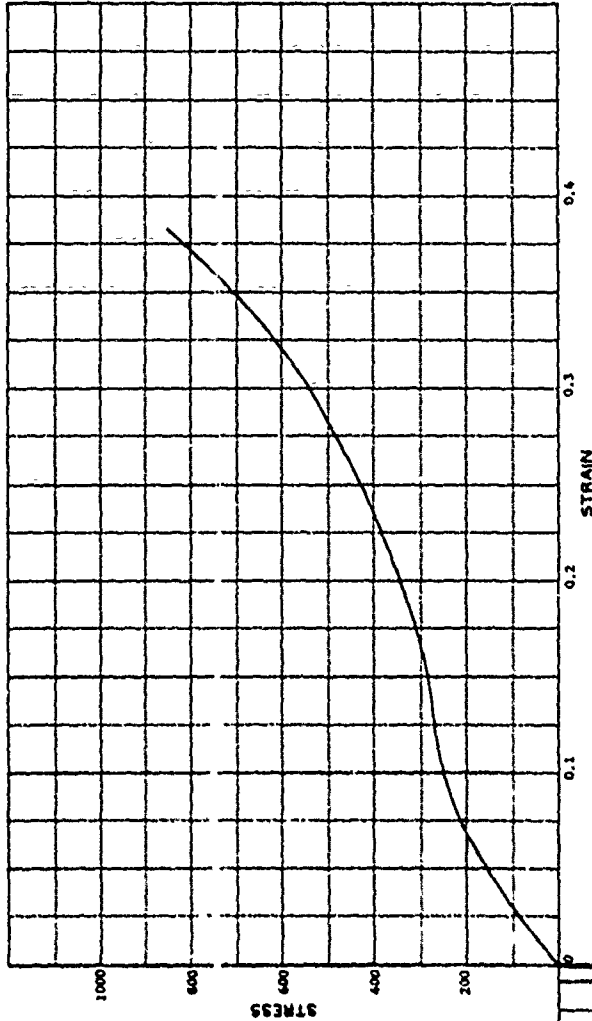
WATER CONTENT	W	11.99	%
VOID RATIO	$e_0$	0.79	
SATURATION	$S_0$	40.98	%
DRY DENSITY	$\gamma_d$	94.11	PCF
WET DENSITY	$\gamma$	105.40	PCF
SPECIFIC GRAVITY	$G_s$	2.70	
SPECIMEN DIAMETER	$D_c$	1.50	CM
SPECIMEN HEIGHT	$H_0$	7.62	CM



### HYDROSTATIC COMPRESSION PHASE



VOLUMETRIC STRAIN,  $\Delta V/V_0$ , PERCENT



PROJECT Georgia Institute of Technology E-602			
Contract No. DMC39-67-C-0051			
AREA			
BORING NO.	SAMPLE NO. 324		
DEPTH	DATE		
EL	36	PL 17	PI 19
DESCRIPTION Machine Mill Clay			
No Lateral Strain Triaxial Test - Initial Confining Pressure 1600 psi			
Cycle Compression			

HYDROSTATIC PRESSURE,  $p$ , PSI